X
114

Progress report
of Forest
administration
in the central
circle of the
N.W. Provinces
and oudh
Year: 1894

Sub: Forests/
Report

WEST BENGAL SECRETARIAT

X/114

List of Errata for the Central Circle Annual Administration Report for the year 1893-94.

Form No. 61 (page cvii). Garhwál Division, AVIIIc, *for* "Rs. 191" *read* "Rs. 221."
" " " " " Total of Circle, AVIIIc, *for* "Rs. 631" *read* "Rs. 658."
" " " " " Garhwál Division, Total AVIII, *for* "Rs. 11,281" *read* "Rs. 11,308."
" " " " " Total of Circle, AVIII, *for* "Rs. 34,865" *read* "Rs. 34,892."
" " " " " Total A, Conservancy and Works, Garhwál Division, *for* "Rs. 50,300" *read* "Rs. 50,327."
" " " " " Ditto, Circle, *for* "Rs. 1,66,228" *read* "Rs. 1,66,255."
" " " " " Grand total of expenditure, Garhwál Division, *for* "Rs. 78,055" *read* "Rs. 78,082."
" " " " " Ditto, Circle, *for* "Rs. 3,17,659" *read* "Rs. 3,17,686."
" " " " " Surplus or deficit, Garhwál Division, *for* "Rs. 1,08,846" *read* "Rs. 1,08,819."
" " " " " Ditto Circle, *for* "Rs. 2,64,218" *read* "Rs. 2,64,191."
" " 62 (page cxv). *Add* Dr. side: "Survey of India Department, Rs. 27-0-0."
" " " " " Total of Inter-Departmental Transfers, *for* "Rs. 1,106-3-4" *read* "Rs. 1,133-3-7."
" " " " " Total, *for* "Rs. 9,68,837-11-11" *read* "Rs. 9,68,864-12-5."
" " " " " Cr. side. Expenditure as per Annual Summary Form No. 61, *for* "Rs. 3,17,659-0-0" *read* "Rs. 3,17,686-0-0."
" " " " " Ditto. Total, *for* "Rs. 9,68,837-11-11" *read* "Rs. 9,68,864-12-5."
" " 65 (page cxxiv). Garhwál Division, column 6, *for* "Rs. 49,224" *read* "Rs. 49,251."
" " " " " Ditto, column 8 *for* "Rs. 97,055" *read* "Rs. 97,082."
" " " " " Total of Circle, column 6, *for* "Rs. 1,38,432" *read* "Rs. 1,38,459."
" " " " " Ditto column 8, *for* "Rs. 3,17,659" *read* "Rs. 3,17,686."

Text of Report. Chapter IV. Financial Results

Page 21, Para. 73. Expenditure A, *for* "Rs. 1,66,228" *read* "Rs. 1,66,255."
" " " " Total expenditure A and B, *for* "Rs. 3,17,659" *read* "Rs. 3,17,686."
" " " " Surplus, *for* "Rs. 2,64,218" *read* "Rs. 2,64,191."
" " " 74, 1893-94, Expenditure, *for* "Rs. 3,17,659" *read* "Rs 3,17,686."
" " " " " Surplus, *for* "Rs. 2,64,218" *read* "Rs 2,64,191."
" " " " Expenditure, *for* "+ Rs. 25,754" *read* "+ Rs. 25,781."
" " " " Surplus *for* "- Rs. 10,864" *read* "- Rs. 40,8-1."
" 23, " 75. Garhwál Division, column 5, *for* "Rs. 78,055" *read* "Rs. 78,082."
" " " " " " 7, *for* "Rs. 1,08,846" *read* "Rs. 1,08,819."
" " " " Total of Circle, " 5, *for* "Rs. 3,17,659" *read* "Rs. 3,17,686."
" " " " " " 7, *for* "Rs 3,22,064" *read* "Rs. 3,22,037."
" " " " Net Surplus, " 7, *for* "Rs. 2,64,218" *read* "Rs. 2,64,191."
" 23, " 77, III, Protection, " 7, *for* "Rs. 1,38,432" *read* "Rs. 1,38,459."
" " " " " " 8, *for* "Rs. 10,650" *read* "Rs. 10,677."
" " " " " " 13, *for* "Rs. 1,38,432" *read* "Rs. 1,38,459."
" " " " Total of Circle, " 7, *for* "Rs. 3,17,659" *read* "Rs. 3,17,686."
" " " " " " 12, *for* "Rs. 2,64,218" *read* "Rs. 2,64,191."
" 24, " 78, 1893-94, column 15, *for* "Rs. 34,865" *read* "Rs. 34,892."
" " " " " " 22, *for* "Rs. 3,17,659" *read* "Rs. 3,17,686."
" " " " Increase " 15, *for* "Rs. 4,166" *read* "Rs. 4,193."
" " " " " " 22, *for* "Rs. 25,754" *read* "Rs. 25,781."
" 25, " 81, Cash Surplus, *for* "Rs. 2,64,218" *read* "Rs. 2,64,191."
" " " " Total in favor of the year, *for* "Rs. 3,14,784" *read* "Rs. 3,14,757."

PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE CENTRAL CIRCLE,

OF THE

N.-W. PROVINCES AND OUDH.

For the year 1893-94.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

I.—ALTERATION OF AREA.

Changes during the year.

THE forests at the commencement and close of the year comprised :—

Class of Forest.	Area on 1st July 1893.		Area on 30th June 1894.	
	Acres.	Square miles.	Acres.	Square miles.
Reserved	1,090,472	1,704	1,095,989	1,712
Protected	60,348	94	60,347	94
Unclassed	20,457	32	20,457	32
Total ...	1,171,277	1,830	1,176,793	1,838

Reserved Forests.

Explanation of alteration of area.

2. The only additions to the reserved area were those caused by the reservation of the Mohanwali and Amsot Forests of the Bijnor District, aggregating 4,778 acres, and of the Baldhoti and Kalimath plantations with a total area of 290 acres in the Almora District. There was a gain by revision of areas in the Kumaun Division of 435 acres and small rectifications of 24 acres in the Naini Tál Division and 10 acres in the Bundelkhand Division. The net result was an increase to the recorded acreage of Reserves of 5,517 acres or something more than 8 square miles.

Protected Forests.

The area of this class of forests is returned as practically unchanged. But in reality a very considerable area has been added by the application of Chapter IV of Act VII to the extensive unassessed lands of the Garhwál, Almora, and of part of the Naini Tál Districts, declared 'Protected Forests' by Notification No. $\frac{869F}{638-44}$, dated 17th October 1893. The area of these forests, entirely managed by the District Officers, is not known, and cannot therefore be brought on the returns at present.

Unclassed Forests.

The area of these forests remains as previously reported.

II.—FOREST SETTLEMENTS.

Settlements completed.

3. The area of 8 square miles taken in hand in 1892-93 was finally settled during the year. The settlement of the sub-montane forests now shown as 1,188 instead of 1,185 square miles, was completed by the Forest Settlement officer, and all appeals were heard and disposed of by the appellate court, but owing to the orders passed by this latter being subject to further inquiry on the spot, in regard to certain small matters, it has not yet been possible to complete the record of rights and submit the proceedings for the orders of the Local Government under section 19 of the Forest Act. The settlement, therefore, still requires the final sanction of Government, but has in other respects been carried through to completion.

Settlement as Reserves of the Protected Forests of the Naini Tál Division.

4. The preliminary notification under section 4 of Act VII of 1878 in regard to these forests, aggregating 90 square miles, issued in October 1893, and their settlement would be well advanced, if not completed, had the Conservator not found it necessary to challenge the view of the Settlement Officer that the record made under section 28 of the Act for these forests, as Protected, ought to be accepted without the further inquiry and evidence provided for in section 7 of the Act. This caused delay in the issue of the Settlement Officer's orders, and, pending the result of a reference to higher authority, has practically suspended settlement work.

Proposed reservations of the Binsar and Siahi Devi forests for the wood supply of Almora

5. The proposals, referred to in the latter half of paragraph 8 of the Report for 1892-93, for the reservation of certain tracts in the neighbourhood of Almora have not advanced, for want of the support of the Commissioner of Kumaun, whose full consideration, owing to several changes of officers, they have not yet received.

Proposed reservation of catechu producing tracts in the Bhabar.

6. Proposals for reserving certain Catechu-producing areas in the Kumaun Bhabar have been dealt with by His Honor the Lieutenant-Governor, and orders have issued restricting them to certain well-defined tracts aggregating 10,000 acres more or less, the settlement of which is being arranged for.

The orders passed in this connection have further cleared the way for the reservation of any valuable compact tracts in the Tarai, and for bringing under the provisions of the Forest Act, as Reserved or Protected Forests, all the forest lands administered by the Deputy Commissioner. This application of the forest law to forests, which it is intended should continue to be managed by the District Officer and primarily utilised for the local requirements of the tenantry of the Government Estates, will, in the opinion of the writer of this Report, be of considerable advantage, firstly in fixing the legal status of these valuable State properties, secondly in facilitating their protection and improvement, and thirdly in enabling the District Officer to deal suitably and promptly with the breach of such rules as may be desirable for their sound treatment. It still remains to work out during the coming dry season in consultation with the Deputy Commissioner, proposals which may commend themselves to the Revenue Authorities and be acceptable to Government.

Cost of forest settlements.

7. Only Rs. 766 were expended during the year on forest settlements. Those actually concluded were carried out by the local officers without any special charges, while Pandit Bhawani Datt in charge of the settlements of the submontane forests, and of the Protected forests of the Naini Tál Division carries on other duties as a Deputy Collector and draws his pay as such. The entire expenditure debited to this head is made up of the pay of a small establishment, travelling allowances, and contingencies.

III.—Demarcation.

Boundary marks and their cost.

8. Form No. 48 has been revised and now shows a total length of boundary of 2,997 miles, of which 2,503 are artificially marked. No boundaries remain to be demarcated and all may be said to be well kept up.

The maintenance of marks cost Rs. 974 and Rs. 64 were expended on making the new boundary of the Chandi Reserve, of the Ganges division, consequent on the putting of the Ranis of Landhaura in possession of the area decreed to them.

IV.—Surveys.

Little to record. Form No. 49 revised. Expenditure on maps.

9. There is little to record under this heading. Form No. 49, framed for the first time last year, has been revised in accordance with corrections of areas, and with such further information, as to costs, as has been obtainable.

The published sheets of the Gágar-Ninglát forests in the Naini Tal Division have been received.

The total outlay of the year, including cost of maps and of bringing maps up to date, was Rs. 631.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

I.—*Regulation of Management.*

(a).—WORKING-PLANS AND THEIR CONTROL.

I.—*Existing Plans and their Control.*

The Ranikhet Working Plan.

10.—There were no deviations from the prescriptions of this plan, and the amounts cut up to date are now 18,353 maunds, and 8,780 maunds short of the amounts permitted for the Ranikhet Reserve and the Ranikhet protected working circles, respectively.

The Naini Tál Working Plan.

11.—Work was carried on as laid down in the plan. There are considerable unworked areas standing over from previous years both in the case of selection fellings for timber, and fellings for the Commissariat. It was found necessary to make certain fellings for the supply of fuel to the Naini Tál Brewery. This demand was not provided for in the plan, and the fellings made to meet it, though not amounting to a deviation, have been reported to the Local Government.

Kumaun Working Plan.

12.—This plan deals with the whole area of the Kumaun Forest Division, and supersedes the Nindhaur Working Plan. It has not yet been sanctioned, but from the 1st July 1893 has been applied as far as possible. At that time, however, it was under preparation and in an incomplete state, and some of the prescriptions of the plan were not definitely settled until late in the working season. The work of the year was carried out in accordance with the new plan, but the following deviations occurred.

Under selection fellings of *Sál* 568 trees were felled from Gaunia Rau, which is not one of the coupes open during the year.

Under selection fellings for *Sein*, 320 trees were cut from blocks previously worked over. The plan limits the fellings of *Sein* to the coupes of the year. Under works of improvement, creeper cutting fell short of the prescriptions by 7,250 acres, owing partly to the presence of a man-eating tiger in the Nindhaur valley, and partly to the fact that the areas to be cut over were not known in time. Other areas were in some instances gone over instead. The weedings laid down for compartments in Jaunla Sál were not carried out. Of the 6,000 patches prescribed for Khair and Haldu sowings all were done except 500, which will be done next year.

Rehar-Garhibulchand Working Plan.

13. The period of five years for which the original Working Plan was sanctioned, came to an end on the 31st March 1894. The provisions of this plan had been found unsatisfactory, and it was intended to apply the provisions of the new plan in course of preparation during the working season of 1893-94. This plan, however, was not completed until January last, and it was not until the middle of February that it was found possible to mark the trees over the two coupes prescribed for the first year. Owing to danger of fire these forests have to be closed about the 1st March, and there was no chance of carrying out all the fellings prescribed. It was therefore considered wiser to defer the application of the new plan until the following year, and sanction has consequently been accorded to this from the 1st July 1894. A portion of coupe I of Rehar (250 acres) prescribed for the 1st year of working, was, however, felled over according to the provisions, and in anticipation of the new plan; this will in no way interfere with the application of the plan as sanctioned.

Ganges Working Plan.

14. Under selection fellings for timber, there still remains a considerable balance of uncut trees. The number of trees available for sale under the plan and those disposed of compares as follows:—

	Sál.	Sein.	Haldu.	Bakli.	Dhaura.	Gosham.	Sandau.	Jaman.	Chir.	Kokat.
Available	554	504	607	2,751	1,160	694	...	257	210	4,266
Sold	229	344	52	128	...	...	...	31	...	573
Deficit balance to be carried forward to future years.	325	160	555	2,623	1,160	694	...	226	210	3,693

As noted last year the demand for miscellaneous species from these forests is not equal to the supply under the plan.

Thinnings were commenced in prescribed areas and 411 acres lightly gone over. There is, however, no regularity about these operations, and thinnings as proposed by the working plan have not been carried out. The reason for this is that no one wants the produce. Improvement fellings permitted by the plan were not carried out, there being no demand for the produce.

The area under fire protection was extended by 1,861 acres, and 4,790 acres only of the forests to be protected under the plan, now remain unprotected. The creeper cutting prescribed has not been done.

Palain-Kohtri Working Plan.

15. Under selection fellings, the areas prescribed were worked in; the number of trees available under the plan compares with the number cut as follows:—

	Sál.	Sein.	
Available	826	647	
Cut	725	5	
Total ...	101	642	less.

This shows a marked increase in the demand for Sál (only 217 trees were sold last year). For other species in these remote forests there is no demand at present, and fellings of these provided for in the plan could not be carried out.

Under improvement fellings several of the compartments left over from previous years and some of these prescribed for the year have been worked over, and 1,291 Sál and some 2,500 trees of other species were sold from these fellings.

Under works of improvement all areas prescribed are now under fire protection and the new works suggested in the plan have been carried out. Creeper cutting has been pushed on, some 1,000 acres only not having been operated on.

The following works prescribed have not been carried out:—

89 miles of path have not been made.

Forest guards' houses at Jameria, Bijorghat, Chaukhamb and Laldarwaza have not been constructed.

Lansdowne Working Plan

16. This plan has been sanctioned from 1st July 1893. It was not, however, in print until April 1894, and its provisions were not definitely settled in time to carry them all out. Under improvement fellings the area prescribed remained open for working, but of the 135 acres which form the coupe of the year only 36 acres were worked over.

The fencings, sowings and plantings prescribed by the plan were not carried out.

2. *New Working Plans.*

Collection of data.

17. As noted in last year's report, the examination of the forests of the Kumaun Division was completed during the season of 1892-93. The proposals made for the Working Plan of these forests were not altogether approved of by the Inspector-General of Forests, and he suggested certain alterations which involved the enumeration of the growing stock over an estimated area of 28,000 acres. The Working Plans Branch accordingly commenced this work in November 1893 and finished it by the first week in March. During this time an area of 45,000 acres was examined and the following trees were enumerated:—

Sál.				Sein.				Total.
1st Class.		2nd Class.		1st Class.		2nd Class.		
Sound.	Unsound.	Sound.	Unsound.	Sound.	Unsound.	Sound.	Unsound.	
45,110	27,707	151,992	42,656	40,584	9,719	61,309	12,399	391,476

This enumeration cost Rs. 1,895, or one pie per tree counted.

In the first week of March the examination and enumeration of the stock of the forests of the Garhwál Division was commenced, and the Working Plans Branch was occupied on this work up to the 1st June, when field work ceased for the season. The whole of the Kota Range was examined, stock mapped, and the stock enumerated over the better portions; the Barsoti block was examined, and stock mapped; and about

half of the Domunda block was similarly dealt with. The examination of these forests has therefore been completed over.

The Kota Range	50,577 acres.
The Sultán Block	16,575 "
Part of the Domunda Block	5,500 "
Total ...	72,652 "

New Working Plans completed.

18. During the year, the Rehar-Garhibulchand Working Plan, the Lansdowne Working Plan, and the Kumaun Working Plan were completed. The two former have received the sanction of the Local Government, whilst the latter is in the Press and will be shortly submitted for sanction.

A Working Plan was framed for the forests of the Naini Tál Cantonment, comprising 427 acres, by Mr. Hobart-Hampden, Deputy Conservator, while in charge of the Naini Tál Division. It was forwarded in manuscript, through the Commissioner, to the Military authorities for adoption, or such action as might be considered necessary. The provisions of the Plan comprised the proposal that the Deputy Conservator of the Naini Tál Division should carry out the fellings and works on behalf of the Cantonment Committee, rendering an account and handing over the net proceeds to that Committee. This seemed necessary in order to provide for the due observance of sylvicultural requirements, but, as removing the control of its forest operations from the Cantonment Committee, was not acceptable to the General Officer Commanding. The matter has been allowed to stand over, subject, at the request of the Commissioner, to the forests being occasionally inspected by a Forest Officer and, if denudation of the hill sides is found to exist, the matter being brought to his notice.

Area covered and cost.

19. The areas dealt with and cost of the Plans were :—

	Area dealt with.	Cost.	Cost per square mile.	Remarks.
	Sqr. Mls.	Rs.	Rs.	
Rehar-Garhibulchand ...	62	1,891	30	The extremely high cost of this Plan, which in itself is simple, is attributable to the heavy outlay incurred on complete enumerations carried out in 1891-92, 93 on possibly a mistaken view of the requirements of these forests.
Lansdowne	21	2,454	117	
Kumaun	474	15,752	34	

The total expenditure incurred during the year on the preparation of Working Plans, inclusive of the pay and allowances of officers attached to the Working Plans Branch, was Rs. 20,506.

Further work for the Working Plans Division.

20. The completion of the Working Plan for the Garhwál Division, the preparation of a new and comprehensive Plan on similar lines to those of Kumaun and Garhwál, which is much needed for the Ganges Division, and the revision of the Ránikhet and Naini Tál Plans which is laid down for 1896 for Naini Tál and 1898 for Ránikhet, will find employment for the Working Plans Division for two or three years to come.

Collection of statistics.

21. In Appendix *A* is recorded the usual measurements of trees on sample plots set apart for the observation of the rate of growth of *Sál*. These observations were commented upon at length in last year's report, and call for no further notice at present.

Two new sample areas, of an acre each, were marked off, and the measurements of all trees recorded. They are situated in Jogichaur of the Gori Range and Gewai 1 of the Udepur Range.

(b).—*Annual Plans of Operations.*

22. Work was carried out on the usual previously considered Plans of Operations supporting the Budget-Estimates, and the more or less completeness with which these Plans were complied with is shown in Appendix *B*, Division by Division.

Unexecuted works projected in Plans of operations.

II.—Working of the year.

(a).—*Communications and Buildings.*

23. The expenditure on new work was almost identical with that in the previous year, being Rs. 7,134 on roads and Rs. 11,893 on buildings. Repairs to roads with a total length of 2,213 miles cost Rs. 24,370, or about 11 rupees a mile, as against nearly 14 rupees in 1892-93. Repairs to buildings were done at a cost of Rs. 5,876, which is a little less than the average cost of the previous three years. The total expenditure incurred on roads and buildings was Rs. 49,273, while that of the year 1892-93 was Rs. 55,284, and the average of the three previous years was something more than Rs. 50,000.

Comparison of expenditure on communications and buildings.

Other works cost Rs. 1,737.

24. *Naini Tál.*—Four fuel sheds were built for storing Commissariat fuel at Ráuikhet and Naini Tál. One Ranger's house and three chaukis at depôts, with a cook-house at the Kalona rest house, made up the new buildings. Twenty-one miles of new paths were made and 238 miles were maintained.

Detail by Divisions.

Kumaun.—The Range officer's house at Fatehpur was completed and outhouses were built at Salmpani, Dhanaur and Shiala. The outlay on repairs was less than in the previous year. Twenty-two miles of new roads and paths were opened out and repairs were executed at a reasonable cost.

Garhwál.—The chief building works consisted of houses at Kálagarh and Kánda partially completed, and the rebuilding of the house at Bijrani, burnt down in the previous year. Quarters for a Ranger at Kánda, and huts for guards at several places were also built.

Twelve miles of new roads and paths were made, and the 732 miles of existing communications repaired.

Ganges.—The urgent works to the house at Lansdowne, the building of an office and of outhouses so as to meet the requirements there at the Headquarters of the division were all neglected.

Forest guards' houses were built at four different places.

Fifteen miles of inspection paths were opened out and the annual repairs were executed at reasonable cost.

Bundelkhand.—The completion of the Chauri rest-house has still to be reported and the only new building was a hut costing Rs. 19.

Fifteen miles of new road were made and 116 miles of existing roads repaired for Rs. 808.

(b).—*Protection of forests from injury.*

(1).—General Protection and Breaches of the Forest Law.

25. Of 50 prosecutions instituted during the year, 42 cases were disposed of, and 8 were still pending. Convictions were obtained in 40 cases, leading to the punishment of 64 persons, and 15 persons were acquitted in the two prosecutions which failed. The Conservator is satisfied from his inspections that offences did not go undetected, and the small number of cases taken into court with 95 per cent. of convictions represents a satisfactory record.

Prosecutions during the year.

The remarks of the Collector of Bánda, where recourse is had to the Penal Code more often than to the Forest Act, may be quoted in explanation of the procedure.

"With regard to the trial of thefts of forest produce, I consider it desirable that such cases should remain as at present with the Joint Magistrate of Kirwi, or with the Magistrate in charge of the Badausa Pargana outside the sub-division in which there are some Forest tracts. These offences though petty are found in practice to be committed usually by Koles, who are unable to pay fines and to whom detention in a Government jail is a luxury rather than a punishment. For such men whipping is an appropriate punishment. The Pargana Magistrates are empowered to inflict this punishment under the Penal Code and Whipping Act, it cannot be inflicted under the Forest Act. It is desirable that these cases should rest with courts which can convict under the most appropriate Act and inflict the most appropriate punishment."

The following remarks of the Deputy Conservator of the Kumaun Division are also reprinted in confirmation of the general belief that the people conform willingly and without difficulty to forest laws and restrictions, once they become known, and their enforcement is shown to be seriously intended :—

"Very little friction occurred with the village population, who are gradually coming to understand the necessity of conforming to our rules. Thus, when I was in this Division before, I had a large fishing case following on a long period of great difficulty in protecting the Bhanr river (Dechauri Range) and now I find that poaching has ceased there. So, too, the closure of the Sánani block (Dechauri Range) and prevention of lopping in that range were formerly troublesome; such an offence is now practically unknown. Lopping in W. Horai is also a less common offence than formerly. In the western part of the Division the fire conservancy rules are still loosely observed and one or two villages in the east are still troublesome about lopping bijasal; otherwise there is not much difficulty now left in the matter of forest offences."

Cases taken into Court.

26. The offences dealt with by the courts compare as follows with those of the previous year:—

Year.	Injury to forest by fire.	Unauthorized fellings or appropriation.	Grazing without permission.	Other offences.	Total.
1892-93	11	46	4	1	62
1893-94	10	24	4	12	50
Difference	—1	—22	...	+11	—12

Cases compounded.

27. The number of cases disposed of under Section 67 of Act VII were 391, involving 683 persons as compared with 662 and 1,024 persons in the previous year. There were no less than 179 fewer cases in the Naini Tál Sub-Division, due entirely to the exclusion of *jhampanis* from the forests, and the introduction of a supply of wood to the settlement by departmental agency. This in itself may be held to justify the change of system. In the Bundelkhand Division there were not so many offences dealt with, due probably to the number in 1892-93 covering a period of 15 months. Compared with the previous year the results may be tabulated as follows:—

Division.		1893-94. No. of offences	1893-94. Average for each person. Rs. a. p.	1892-93. No. of offences.	1892-93. Average for each person. Rs. a. p.
Naini Tál	Naini Tál Sub-Division	268	1 6 6	89	1 0 3
	Ranikhet do.	86		76	
	Kumaun	50	6 0 6	37	2 0 4
	Garhwál	69	3 1 2	68	5 6 2
	Ganges	87	5 1 9	75	2 4 11
	Bundelkhand	94	1 2 3	38	1 14 4

The average rate of compensation taken was Rs. 3-11-9 in each case, and Rs. 2-2-0 from each offender, showing that this easy method of dealing with numerous petty offences was properly applied throughout the circle. The higher average rate of the Garhwál Division, as compared with other Divisions, is explained by the exaction in several cases of illicit bamboo cutting of the maximum of Rs. 50 allowed by the Act.

(2).—PROTECTION FROM FIRE.

Protection from fire.

28. The conditions of the past season were exceptionally unfavourable to fire-conservancy operations and in striking contrast to those of last year. Practically no rain fell from the beginning of March to the end of May. The area over which protection was extended has increased, however, from 727,647 acres to 792,323 acres, or by 64,676 acres; but the failures have also risen from 7,891 acres to 38,753 acres. Last year's immunity from serious fires was, however, without precedent. It is satisfactory to note that a large additional area of 27,164 acres was brought under systematic fire-protection during the year in the Kumaun Division, whilst the Ganges Division area was extended by 17,505 acres. In the Bundelkhand Division 20,457 acres of unclassed forests were added to the area protected by the ordinary establishment, and the Garhwál Division area has extended protection to 2,671 acres more. In the Naini Tal Division the area has practically remained stationary.

Results of the year.

29. The following statements are abstracted from Form No. 53 for the Circle and compare the results of the season under report for each class of forest and the cost of protection, with the figures for the preceding year, and further distribute the figures by Divisions:—

I.—*Statement showing results of the season.*

Nature of protection.	Area over which protection was attempted.								Failures.							
	Reserves.		Protected Forests.		Unclassed Forests.		Total.		Reserves.		Protected Forests.		Unclassed Forests.		Total.	
	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
By means of a regular system of fire lines and watchers ...	567,044	595,704	55,612	55,757	...	...	622,656	651,461	4,251	14,787	...	8,513	...	...	4,251	23,300
By the ordinary establishment under administrative orders and with the aid of the villagers or trifling expenditure on watchers, &c.	104,845	120,405	146	...	...	20,457	104,991	140,862	3,640	13,379	...	...	...	2,074	3,640	15,453
Total ...	671,889	716,109	55,758	55,757	..	20,457	727,647	792,323	7,891	28,166	...	8,513	...	2,074	7,891	38,753

Nature of protection.	Area actually protected.								Cost of the operations of the year.		Cost.				Percentage of the area attempted to total area of reserves, protected and unclassed forests.		Percentage of failures to the total area attempted.	
	Reserves.		Protected Forests.		Unclassed Forests.		Total.				Per acre attempted.		Per acre protected.					
	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894	1893.	1894.	1893.	1894.
	Acres.	Acres.	Acres	Acres.	Acres.	Acres.	Acres.	Acres.	Rs	Rs.	Pies.	Pies	Pies.	Pies.				
By means of a regular system of fire lines and watchers ..	562,793	580,917	55,612	47,244	...	...	618,405	628,161	20,334	23,847	6·27	7·03	6·31	7 29	54·09	55·36	0·68	3·58
By the ordinary establishment under administrative orders and with the aid of the villagers or trifling expenditure on watchers, &c.	101,205	107,026	146	...	...	18,383	101,351	125,409	...	4	...	...	...	...	9·12	11 97	3 47	10·97
Total	663,998	687,943	55,758	47,244	...	18,383	719,756	753,570	20,334	23,851	5 36	5·78	5·42	6·07	63·21	67·32	1·08	4 89

II.—*Statement showing the results by Divisions.*

Division.	Area attempted.				Area protected.				Failures.				Cost.		Cost per acre attempted in pies.	
	Acres.		Percentage of total area of reserves, protected, unclassed forests of each division.		Acres.		Percentage of area attempted.		Acres.		Percentage of area attempted.					
	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.
													Rs.	Rs.		
Naini Tal	88,447	88,470	95·07	94·77	88,439	78,598	100·00	88 84	8	9,872	...	11·16	1,097	1,720	2 38	3 73
Kumaun	157,262	184,426	51·75	60·69	157,262	179,421	100·00	97·29	...	5,005	...	2·71	5,766	7,246	7 04	7·54
Garhwál	186,703	189,374	62·00	62·89	186,703	185,614	100·00	98 01	...	3,760	...	1·99	8,232	8,936	8·46	9 06
Ganges	118,522	132,883	42·86	47·24	118,482	130,817	99·97	98·44	40	2,066	0·03	1·55	3,809	4,641	6·17	6·71
Bundelkhand	176,713	197,170	100·00	100·00	168,870	179,120	95·56	90·84	7,843	18,050	4·44	9·16	1,430	1,308	1·55	1·27
Total ...	727,647	792,323	63·21	67·32	719,756	753,570	98 92	95·11	7,891	38,753	1 08	4 89	20,334	23,851	5 36	5·78

The percentage of Forests, the protection of which was attempted, has risen from 63·21 to 67·32 of the total area of the Forests. Under special measures from 54·09 to 55·36. Under ordinary protection by the regular establishment from 9·12 to 11·97.

The failures amounting to 38,753 acres as compared with 7,891 acres last year represent losses from the total area attempted of 4·89 per cent. against 1·08 last year, the total expenditure on fire conservancy increased from Rs. 20,334 to Rs. 23,851 in the year under report. The average cost in pies per acre attempted and protected rose from 5·36 and 5·42 last year to 5·78 and 6·07, respectively, this year. The cost was again highest in the Garhwál Division, averaging 9·06 pies per acre, and lowest in Bundelkhand, where it was 1·27. But the conditions of the Forest in these Divisions are totally dissimilar, as the Bundelkhand Division protected 125,302 acres by the ordinary establishment and only 71,868 acres by special agency. The cost in the hill Forests of the Naini Tál Division was 3·73 pies per acre, whilst that in the remaining sub-montane Divisions—Kumaun and Ganges—was 7·54 and 6·71 pies, respectively. Except in the Bundelkhand Division where the cost has fallen by 28 pies per acre, owing to the increase in the area protected by ordinary means, the cost has somewhat risen in every other division in consequence of the excessive dryness of the season, the necessity of keeping on the fire watchers for a longer period, the extra expenditure incurred in putting out fires, and finally clearing new lines and paths for the additional area brought under protection.

Details of failures.

30. The following are the details of the more important failures by divisions :—

Naini Tál.—There were twenty-two fires altogether over an aggregate area of 9,872 acres. Of these the two chief fires, which burnt 8,286 acres between the 25th to 27th May, were incendiary, lighted by the villagers of Airadeo as the nine convictions obtained since the close of the year have proved. The causes of eleven other fires, which spread over 1,121 acres, have been entered under the column unknown, and although incendiarism is in some instances suspected, it is believed that they were due to a want of that excessive care on the part of villagers and travellers, which is so necessary in a dry year. The most important of the remaining fires were those which occurred on the 14th, 21st and 29th May, in the Gágar Range and which burnt over 982 acres. Concerning a case of fire by lightning the Divisional officer writes: "It may be of interest to note that I have had one authentic case of fire being started by lightning. Mathura Datt, Forester, saw the lightning strike, and the fire blaze up in Seoni compartment 15, on the 3rd May, but was able to put it out quickly. I visited the place some days later and found in the middle of the area burnt(½ acre) an old Chir tree recently struck by lightning, standing out in the midst of young Chir saplings."

Regarding the system of broad (100 feet) fire lines in the Pinus longifolia forests of the Naini Tál Division referred to in para. 41 of last year's Report the Divisional officer notes: "The entry of 6 fires into the forests from outside tends to prove that the contention of last year is correct that ordinary fire lines in Pinus longifolia forests are of very little use. This year the needles were falling constantly throughout the whole of May and burning fire lines in March and April was quite use ess. On the other hand I myself noticed in several places that a clean-swept path along a ridge was quite sufficient to stop a fire. Fire paths were made along the edge of the cart road in Seoni, in Ganiadeoli, and along several ridges in Airadeo. In the last named forest however, neither fire lines nor paths were of much use this year, as the fires of 25th-27th May were started maliciously on both sides of them."

Kumaun.—Nine fires occurred spreading over an area of 5,005 acres, of which 5 were minor ones. Of the larger fires, the one which occurred on the 3rd May 1894, burnt 1,215 acres, being the whole of the Jariakhal North Block, which the Divisional officer writes is fortunately not a very valuable forest. The fire came from the outer forest, although the outer forest had been burnt off previously. The Divisional officer is of opinion it crossed by chir needles. The ground being steep and rocky, it was difficult to check the fire when once started. On the 17th-18th May, 1,370 acres were burnt in the Narni Block. The cause is unknown, but it may have been due, either to smoking out a hanging bees' nest, or to a careless Gwala. Mr. Bryant, Deputy Conservator of Forests, who happened to be in the neighbourhood at the time, succeeded in extinguishing this fire. The Ranger was new and quite inexperienced, having only passed out of the Dehra Dún Forest school in April, and he at once became useless with an attack of fever. The villagers of Narni rendered good service. On the 18th May, 615 acres were burnt in the Kaladhungi Block. The fire appeared to have been lighted at two points in the middle of the forest. The villagers were very reluctant in giving aid, and the fire was ultimately extinguished by Mr Bryant and some Forest Guards and fire watchers with some few men they had collected before the arrival of the villagers. The Divisional officer remarks :—

"The neighburhood is new to fire conservancy and does not as yet realise the stringency of section 78 of the Act and the necessity of rendering help," a remark, which it is feared is applicable to the villagers in these parts generally. This was the first year of closure and the damage was therefore less than it might otherwise have been.

On the 24th to 26th May, 1,675 acres were burnt in the Deigaun Block. The cause was again unknown, but the fire started from the Dechauri-Naini Tál road at seven or eight o'clock in the evening. The local fire watchers and guards attempted to extinguish it before they sent news of the occurrence, but failed. Finally large numbers of right holding villagers were drafted off to the fire, but a great number of them slipped away as soon as they found an opportunity. There was a strong west wind during the day and a strong north wind down the gorge at night. The fire was at length put out by Forest Ranger Kali Charan, aided by the foresters and guards. The damage done by the fire was no doubt considerable, yet less than might have been expected, as a large part of the area consisted of precipice and of inferior forest, a fact which also made the checking of this fire very difficult.

Garhwál.—Five fires passed over an area of 3,760 acres, four of which occurred in the Kota Range, and the fifth in the Jaspur Range. The most important of these broke out on the 2nd and 14th May, respectively, and burnt 922 and 2,450 acres. The latter is believed to have been caused accidentally, but there is good reason to suppose the former was the work of incendiaries. Pandit Raghu Nath Pathak, Extra Assistant Conservator, attached to the division, was deputed by the Divisional officer to inquire into the cause of the fires, but sufficient evidence could not be procured for legal proceedings, though the repeated fires in the Kota Range throw suspicion upon villagers of Katkot in particular. It is satisfactory to note that, at the instance of the Conservator, the Deputy Commissioner of the Naini Tál District has issued stringent orders to the headmen of villages, who have hitherto shewn great indifference in the matter, to come to the aid of the forest officials in extinguishing fires which may break out in their neighbourhood.

Ganges.—Seven fires occurred burning 2,066 acres, of which only 24 acres lay in the forests specially protected; the remainder, 2,042 acres being in areas under ordinary protection. These last being in forests honey-combed with plots of village cultivation are very difficult to protect. The whole of this area was burnt unintentionally, the fires spreading from villagers burning the field refuse within their cultivations. The help of the Deputy Commissioner of Garhwál has been invoked, and it is hoped his warnings to the people will lead to more favourable results. Fire conservancy has again been very satisfactory in this Division, and in this respect credit is due to Mr. Shakespear, the Divisional officer.

Bundelkhand.—There were 43 fires burning over an area of 18,050 acres, of which 4,639 acres lay in forests protected by special means and 13,411 in ordinarily protected tracts. Owing to the extreme dryness of the climate and to the fact of the forests being surrounded by zemindari lands and abutting upon feudatory states, the task of safe guarding the forests of this Division presents special difficulties, and success, at all times precarious, is specially so in a year like the past. On this subject the Collector of Jhansi writes:

"The damage by fire in this district has not been confined to reserved Forests, but several village have severely suffered in this way, fires having been abnormally numerous and widespread during the recent hot weather. There can, I think, be little doubt that the intensity of the heat this year is accountable for the increase of fires as compared with last year."

And the Collector of Banda as follows:—

"There were 120 days in Banda before the rains of properly dry weather—not a drop from 15th February to the 16th June. Last year there was lots of rain in May and this is the month in which fires would naturally be most frequent"

Of the 43 fires, no less than 31 which burnt 15,808 of the total area of 18,050 acres of the failures are reported to have crossed over from zamindari lands and feudatory states. One fire which spread over 540 acres was caused by a wedding procession at night, and two fires were suspected to have been maliciously lighted and burnt 1,563 acres. In the case of one fire the zemindars of the village on being asked for aid to extinguish it refused and were therefore prosecuted in the criminal court under section 187 of the Indian Penal Code and sentenced to a fine of Rs. 40.

Classification of fires.

31. The following statement gives an abstract of the above information:—

Year.	By the Forest Establishment when burning fire lines.		Fires which entered the forest by crossing exterior fire line.		By work men (not in forest employ) accident.		By villagers, travellers or soldiers by accident.		Fires caused by lightning or fire balloons.		Maliciously lighted inside the forest.		Cause unknown.		Total.	
	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.	No	Area in acres.	No.	Area in acres.	No.	Area in acres	No.	Area in acres.	No.	Area in acres.
1890	5	84	12	11.075	1	12,502	9	1,837	1	2,968	1	663	10	2,289	30	31,418
1891	3	341	11	5,856	4	2,062	5	1,026	...	...	2	3,054	11	1,832	36	14,171
1892	2	4,013	17	3,831	10	1,414	12	3,386	2	1,219	7	4,415	28	3,472	78	21,241
1893	4	251	16	5,899	...	...	2	1,563	...	...	...	...	6	178	28	7,891
1894	6	1,409	40	17,313	3	34	7	5,202	7	330	8	9,676	15	4,789	86	38,753

32. Regarding the rules for firing private forests (G. O. No. $\frac{349F.}{825-66}$, dated 2nd May 1891) Divisional officers write as follows :—

Mr. Leete, Officiating Deputy Conservator, Naini Tál Division :—Four notices were received during the year from villagers of their intention to fire their forests Besides the cases detailed above of six fires entering Government forests from without, eleven other cases were reported to me of fires occurring in villages near Government Forests. After a fire has occurred in a village it is almost impossible to tell whether it was accidental or intentional, and hence I cannot say definitely how far the rules under G. O. No. $\frac{349F.}{825-66}$, dated 2nd May, 1891, have been observed or not, but should say that very little notice is taken of them.

Mr. Hobart-Hampden, Deputy Conservator, Kumaun Division :—No notices of burning outer forests are reported to have been received under G. O. No $\frac{349F}{825-66}$, dated 2nd May 1891. It is easy to evade these rules and practically impossible to ascertain who has lighted a forest or grass land near a Reserve.

The officer in charge of the Garhwál Division :—The rules for firing private forests, published in G. O. No. $\frac{349F.}{825-66}$, dated 2nd May 1891, are known in the vicinity of the forests.

Mr. Shakespear, Deputy Conservator, Ganges Division :—G. O. No. 349F. of May 1891, regulating burning by private persons is beginning to be understood, as in the Gori Range intimation was given by villagers.

Mr. Down, Deputy Conservator, Bundelkhand Division :—The rules for regulating the lighting of fires issued under G. O. No. $\frac{349F.}{825-66}$, dated 2nd May 1891, appear not to have been paid attention to. No application to fire any forest or grass land under rule I (*a*) was received, neither was any permission asked to carry fire under Rule III.

As the rules have now been sufficiently made known the remedy seems to lie with Divisional officers, in the event of fires entering from private lands, procuring evidence and undertaking prosecutions. The difficulty in obtaining convictions will be considerable, owing to the occurrence of accidental fires within village lands, and the ease with which all fires whether lighted or not can be put down to accidents.

(3).—Regulation of grazing and protection from cattle.

Regulation of grazing in Reserves.

33. Form No. 54, with such corrections of last year's return as have been found necessary, now shows that of the total area of 1,713 square miles, 709 square miles or 41 per cent. are closed to all animals for the whole year, while 281 square miles are closed for part of the year, and the remainder are open, 459 square miles to all animals and 264 square miles to all but browsers.

Regulation of grazing in Protected Forests.

34.—The closed area of Protected Forests has been increased by such areas in the Naini Tál Division as are not resorted to, though they are not authoritatively closed to grazing. Sixteen square miles out of 90 square miles are not grazed over.

Pasture provided.

35. In last year's report a full account of the pasture provided by the forests was given. It is unnecessary to repeat this detail which has remained practically the same.

(c).—Improvement of Forest growth.

(1).—Natural Reproduction.

Special observations in the Chir and Oak forests.

36. In the Chir and Oak forests the Assistant Conservator reports that the favourable conditions of 1892-93 have given a great impetus to natural reproduction, and that seedlings of the year are found in fair numbers. He might have added that the absence of drought in 1892-93 had had a most striking effect in enabling the seedlings of the previous year to survive their first summer, when as a rule they die off in great numbers. The vigorous seedlings, now two years old, may be considered to be thoroughly established, and they may be confidently expected to do more towards the completion of the open Ránikhet forests than has been effected by the combined natural growth of many previous years.

37. Teak coppices well, while Anogeissus pendula and A. latifolia do not. The coppicing of the different species cut in improvement fellings is being observed in a small selected patch and recorded.

Teak in Bundelkhand.

38. The seeding of all Oaks has been plentiful, that of Chir scanty, and notwithstanding a copious flowering Sál produced but little seed, owing it is thought to the long continuous drought.

Seeding of Oaks, Chir and Sál.

(2).—Artificial Reproduction.

39. This is a plantation of 244 acres, recently declared reserved under chapter II of the Act. It is situated near Almora, and its sowing was begun on a small scale in 1875 by the Civil authorities, who have gradually added to it year by year. It is a most successful piece of reboisement with Chir (P. longifolia), aged from 2-19 years, and nothing remains to complete it beyond the filling up a few blanks in the sowings of recent years. Other kinds of trees have been introduced, but with no success except Alders and a few Deodars in the ravines and moister places.

Baldhoti plantation.

40. This is a small reserved area of 64 acres also near Almora, which it is proposed to extend in due course. So far it has been sown with Oak and Chir, and a nursery of 4,000 young Deodars has been established with a view to their being transplanted in the most suitable parts.

Kalimath plantation.

41. The account for the year stands as follows:—

Bánikhet Orchard.

Receipts.

	Rs.	a	p.
Sale of Forest and fruit trees to private purchasers	548	13	0
Sale of Forest and fruit trees to villagers at half rates	53	12	0
Sale of Forest and fruit trees to Public Departments	12	8	0
Sale of fruit—			
Balance of price of crop 1893 ...	800	0	0
Through Messrs. Murray & Co. (outstanding from 1892	22	8	0
Crop 1894—			
Cherries	165	10	0
1st instalment of price of rest of crop,	300	0	0
Total ...	1,903	3	0

Expenditure.

	Rs.	a.	p.
Pay of Permanent Establishment ...	504	0	0
Daily labour	394	15	11
Purchase and carriage of 100 sweet chestnut plants from Japan ..	117	2	3
Miscellaneous	2	9	0
Profit balance ...	884	7	10
Total ...	1,903	3	0

It will thus be seen that a net profit has resulted of Rs. 884 or, after deducting the difference of outstandings at the close of this and last year, of Rs. 830.

Trees to the value of Rs. 143 were distributed free, and the usual raising of some 13,000 plants for transplanting out in the forest was carried out by the establishment.

The increased receipts were due to a revision of the price list of grafts, by which the choicer and rarer kinds were sold at higher rates, and those of which a plentiful supply was available, were cheapened. The fruit again sold fairly well, for Rs. 1,046, and would have realized more but for an apparent want of promise in the apple crop, which, however, was in the end better than expected.

New trees.

42. A hundred grafted chestnuts were obtained from Japan at a cost of Rs. 117, and some pear grafts were received from Kulu as a gift from Captain Lee of Lee's garden. Now that the garden is worked at a profit, arrangements will be made to import some new grafts of the better kinds of pears more particularly and of other fruits.

Cultural operations.

43. The chief cultural operations were carried out in the Naini Tál Division where 586 acres of blanks were sown up with acorns at as low a cost as eight annas an acre, a quantity of seed being supplied *gratis* by the Deputy Commissioner of Almora. The sowings of oak over 61 acres in 1893-94 have so far been most successful. In addition, 14,000 transplants were put out into previously treated areas, or new blanks in the Ránikhet sub-division, and 4,000 in the Naini Tál sub-division. These operations added 16 acres to the area culturally treated. The chief species planted out were as in former years Deodar, Cypress, Kail, Ash and Blue gum.

Ninety-two acres were treated in Kumaun by the sowing of Khair on large (9′ x 9′) prepared patches 27 feet apart. The result of these experimental sowings of Khair will be carefully watched, as all such attempts to cultivate Khair have hitherto failed in this Circle.

The up-keep of fruit and vegetable gardens in the different divisions cost Rs. 554 as against Rs. 684 in 1892-93.

(3).—EARLY THINNINGS.

Weedings.

44. Weedings were limited in the Naini Tál Division to clearing round plants put out in previous years, and to the uprooting of advance Chir growth of no promise. In the Ganges Division 976 acres were gone over and bamboos cleared of inferior growth suppressing them.

Thinnings.

45. The thinnings prescribed in the Nindhaur working Circle were not carried out and will be discontinued under the new Working Plan, as inadmissible in a forest worked by the selection method. In the Ganges Division some 300 Sál, and 200 poles of other kinds were cut out, partly to meet the demand for telegraph posts for the Gohna lake line.

Cutting creepers.

46. The following table shows the work done under this head :—

Division.	Areas.	Acres.	Cost.	
			Total.	Per acre.
			Rs.	Pies.
Kumaun ...	Sanani	2,437	136	8
	Lakhmanmandi, coupes I and II	1,194	115	
	Jamla Sal W., compts. 1 to 4	2,148	75	
	Kumia	5,645	183	
Garhwál ...	Chilkia, compts 5 and 6	1,350	77	13
	Ditto Durgadé to Ranibagh	2,182	136	
	Adnala	600	25	
	Kota, compts. 9. 10 and 11	1,024	64	
	Ditto Kalikhur forests	3,227	303	
	Mandal	880	26	
	Rehar forest, coupe XVII	157	15	
Ganges ...	Kohtri, North, compts. 8, 9 and 10 (part 50) ...	918	418	16
	Ditto, South, compts. 6, 7 and 8	1,413		
	Kansur, compts 15 and 20	951		
	Mandalti, compts. 4, 7, 8 and 10	1,757		
	Total ...	25,883	1,573	12

(4).—EXPERIMENTS.

Robinia-pseudo Acacia.

47. Plants of this species put out in Salampakha are doing well. Those in Dwarson have not been reported upon.

Pinus excelsa.

48. Seed of Kail, obtained from the Conservator of Forests, Punjab, did not germinate. This species should be further experimented with, and the seed sown *in situ*, as it is likely to succeed in blanks at the higher elevations in the Naini Tál Division.

Date palm.

49. Eighty-five of the seedlings put out in Simraha in the Bundelkhand Division are said to be doing well; all the offsets have however died.

Sál mixed with other species.

50. A small experiment in sowing *Sál* mixed with other species in an open *chaur*, that certainly once bore fine *Sál*, has been tried in Garhwál. There must be conditions under which *Sál* could be cheaply restored by artificial means to open well drained *chaurs* bordering the natural forests such as exist in the Patli Dun, and it seems desirable to carry out systematic experiments in order to ascertain those conditions.

Bamboos.

51. The bamboo clumps experimented on in the Bundelkhand Division are reported to have been lost sight of, which is unsatisfactory.

(*d*).—*Exploitation of Major Forest Produce.*

Regeneration fellings.

52. Regeneration fellings were carried out in mixed Chir and Oak forests of the Naini Tál Division, over a total area of 208 acres. The fellings have varied of necessity according to the irregular condition of the forest, but it is believed that the proper first steps have now been taken to ensure complete regeneration within the period prescribed for that purpose. Vigorous advance growth and promising thickets of poles have been accepted and kept to form part of the new crop, other parts being placed under the high open cover of a seed felling, and aided, where suitable seed bearers were not found, by the artificial sowing of Chir and the dibbling in of acorns. The areas treated were :—

Block.	Compartment.	Area.
Reserved Forests.		
Kaligadh	1	59
Protected Forests.		
Seoni	16	69
Kathahlekh	4	10
Ganiadeoli	6	17
Padholi	12	33
Chaubattia, east	8	20
Total ...		208 acres.

In addition to the above area completed, right holders were supplied as far as possible from areas closed for regeneration, and within which fellings will shortly be made. Trees so cut in these areas have been shown under regeneration fellings in form No 57.

Selection fellings.

53. Selection fellings, that is, regeneration fellings by the selection method, took place in all Divisions except Bundelkhand.

Naini Tál Division.—The chief trees felled were Chir (Pinus longifolia); out of 1,624, 1,542 were of this species, 3 were oak and 79 miscellaneous.

Kumaun Division.—The returns have been carefully elaborated, but show the unaccountable mistake of trees cut in the satisfaction of rights or for Government purposes from forests under treatment by improvement fellings being classified as trees cut under selection fellings. This is tantamount to making the use

to which the wood is put modify the method of treatment. The trees actually felled in the different working-circles under this method appear to have been as follows:—

Working-Circles.	No. and kinds of trees.									
	Sál.	Sein.	Chir.	Haldu.	Jaman.	Tun.	Kokat.	Shisham.	Khair.	Total.
Nandhaur	1,273	320	34	1	90	81	231	...	...	2,030
Hill	193	...	...	8	...	...	659	1	...	861
Sanani-Bhakra ...	62	...	...	...	...	3	792	...	31	888
Horal-Lakhmanmandi,	5	...	...	...	...	...	...	...	...	5
Sarkhet	243	...	...	...	6	...	20	...	...	269
Khair	...	...	...	143	...	...	450	50	1,200	1,843
Kalaga	...	...	...	60	13	...	...	31	273	377
Kalaunia	102	150	...	35	...	...	...	12	...	299
Jaunia Sál-Chandni...	14	...	...	...	...	...	...	...	...	14
Total ...	1,892	470	34	247	109	84	2,152	94	1,504	6,586

In the Garhwál Division 7,130 *Sál* trees were felled and 1,167 trees of other kinds. Under the Working Plan now in preparation it is feared that the number of *Sál* trees felled in past years will not be maintained. In the Ganges Division 959 *Sál* trees were felled and 1,142 trees of other kinds.

Improvement fellings.

54. This class of fellings covered a total area of 11,528 acres exclusive of areas from which trees in satisfaction of rights were cut.

Naini Tál Division	...	...	...	1,826	acres
Kamaun ditto	...	...	...	1,762	do.
Garhwál ditto	...	...	...	250	do. completely.
Ditto ditto	...	...	...	4,200*	do. incompletely.
Ganges ditto	...	...	...	36	do. completely.
Ditto ditto	...	...	...	3,454*	do. incompletely.
Bundelkhand Division	...	...	...	No area given.	

Coppice and unregulated fellings.

55. There were no coppice fellings and unregulated fellings call for no notice.

(*e.*)—*Extraction and transport of Forest produce by land and water.*

Extraction and transport of forest produce.

56. It may be mentioned that branch railways, which it is understood are under consideration from the Oudh and Rohilkhand main system to Kohdwara and Ramnagar, will, if constructed, greatly facilitate the extraction of forest produce from these centres of the Garhwál and Ganges Divisions. They will also have the effect of giving a value to firewood and inferior material, which owing to cost of cart carriage, has at present no market.

(*f.*)—*Exploitation of minor forest produce.*

Fodder grass.

57. From the 1st of January, the cutting of grass was only allowed in the Naini Tál forests on permits at rates varying from 3 rupees for a man for a year to two annas for a child for one month. The control thus exercised over the grass cutters, who had previously wandered over the forests as they liked, is of the greatest advantage in preventing them from entering closed compartments, or doing injury in any way. The revenue from permits amounted to Rs. 736. The Ránikhet reserve meets the requirements of the Commissariat Department in grass through a contractor who supplies at fixed rates, paying the Forest Department Rs. 1,500 a year for the monopoly of the fodder grass available from the Reserve.

Grazing.

58. Form 55 show that pasture to the value of Rs. 65,071 was provided, of which Rs. 42,449 worth was given free and Rs. 5,167 worth at privileged rates.

In all 50,531 buffaloes, 159,623 cattle, 65,672 goats and sheep, and 1,181 other animals were admitted to the forests.

*The areas to be gone over, and in which the fellings will, it is hoped, be thoroughly carried out have still to be definitely laid down in these Divisions.

The Naini Tál Division supplies grazing valued at full rates worth Rs. 13,583, of which only some Rs. 720 worth (exclusive of a demand of 3,350 for excess grazing by right holders still unadjusted) is paid for and the remainder free.

The Kumaun Division provides for 26 000 head of cattle and derives a revenue of Rs. 7,405. The number of cattle grazed free is not included. In the Garhwál Division 45,732 head grazed on payment of Rs. 4,785 and 25,000 are estimated to have been admitted free under rights.

The returns for the Ganges Division show Rs. 5,218 as realized from cattle grazing on payment, and the pasture granted free is valued at Rs. 2,897.

(3.)—Miscellaneous produce.

Miscellaneous produce.

59. There was a falling off of nearly 500 maunds in the Catechu outturn from Kumaun, and the total revenue of this Division from minor produce was Rs. 26,972 as against Rs. 32,063 in the previous year. Fewer bamboos by about 6,000 were exported from Garhwál, while other items of minor produce realised about the same.

In the Bundelkhand Division purchasers removed a lakh of bamboos fewer than in 1892-93, with the result to the revenue of a loss of about Rs. 1,000. This is not fully explained. Other minor produce also brought in less than in the previous year.

Chapter III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

General.

60. In the three sub-montane Divisions; (Ganges, Garhwál and Kumaun) timber and produce are almost entirely cut, collected and removed by purchasers. Departmental operations are restricted to the carrying out of improvement fellings, where special care is required, and where the cutting out of a certain quantity of material of no value forms part of the operation. Purchasers even in this case convert and remove the wood after the fellings have been made.

In the Naini Tál Division firewood is supplied to the Commissariat Department and also to the Settlement by Government agency, while in the Bundelkhand Division in view to the development of the demand, timber, poles, firewood and bamboos are placed in the market by Government agency.

Departmental operations.

61. The following abstract compares departmental operations with those of 1892-93 :—

Produce.		Year.		Difference.	
		1892-93, 15 months.	1893-94, 12 months.	Increase.	Decrease.
Timber.		C. ft.	C. ft.	C. ft.	C. ft.
(1) Clear or regeneration fellings		...	4,620	4,620	...
(2) Selection fellings		29,650	14,364	...	15,286
(3) Improvement fellings		50,953	45,265	...	5,688
(4) Coppice fellings		...	...	...	...
(5) Unregulated fellings		33	1,553	1,520	...
Total timber ...		80,636	65,802	...	14,834
Fuel	C. ft.	2,58,828	2,68,367	9,539	...
Bamboos	Nos.	3,05,964	4,08,987	1,03,023	...
Minor produce	Rs.	925	390	...	535

Explanation of differences of outturn.

62. The difference under timber, most of which is used for Government purposes, is explained by the returns of the previous year having covered a period of fifteen months. More fuel was exploited in order to supply the settlement of Naini Tál. More bamboos were extracted, the outturn of the previous year having been much below the average.

Naini Tál—In the Naini Tál division more timber than usual was used up for the building of Commissariat fuel sheds, the fencing in of the Naini Tál wood depôts, and the building of chaukis at each of them. Fuel was supplied to the Naini Tál settlement as well as to the Commissariat Department.

Kumaun, Garhwál, Ganges.—Government works consumed all the timber and bamboos extracted by Government agency. Twenty-three thousand cubic feet of fuel were supplied for the use of the troops at Lansdowne.

Bundelkhand.—In this Division 29,267 cubic feet of timber and miscellaneous poles were prepared by departmental agency for the market. Twenty-three thousand and fifty-five cubic feet of fuel were also collected, and 403,547 bamboos cut during the year and carted to the sale depôts for sale locally and export to Cawnpore. There has been a considerable decrease under timber this year; whilst the outturn under fuel and bamboos has been greater. There was less demand for the smaller description of timber known as *kiras* and *koryas*, which accounts for most of the decrease. Seventy thousand seven hundred and eighty-nine bamboos were sent to Cawnpore, but were not disposed of by the commission agents during the forest year.

Exploitation by Government agency.

63. An account of the timber and other produce cut and collected and disposed of by Government agency, with the balance on hand at the close of the year, will be found in Form No. 59. The following is an abstract of the details exhibited in that form :—

Receipts.	Number or quantity.	Cubic feet.	Disposals.	Number or quantity.	Cubic feet.
Balance in hand at commencement of the year.			*Removed by purchasers from Depôts.*		
(1) Timber	3,292	4,723	(1) Timber	4,321	6,376
(2) Kiras and Koryas	18,366	18,366	(2) Kiras and Koryas ...	23,146	23,146
(3) Fuel Mds.	2,158	9,700	(3) Fuel Mds.	158,764	206,389
(4) Bamboos Nos.	99,161	...	(4) Bamboos Nos.	355,783	...
(5) Grass Bdles.	61,500	...	(5) Grass Bdles.	614,000	...
			(6) Miscellaneous ...	116	...
Received from Forest in Depôts.			*Struck off for various causes.*		
(1) Timber	8,247	39,292			
(2) Koryas ...	22,868	22,868	(1) Timber	111	168
(3) Fuel Mds.	192,697	254,216	(2) Kiras and Koryas ...	3,587	3,587
(4) Bamboos Nos.	408,987	...	(3) Fuel	888	2,584
(5) Grass Bdles.	672,500	...			
(6) Lime Mds.	260	...	*Sold locally.*		
(7) Miscellaneous ...	116	...			
			(1) Timber	1,773	3,642
Received from the Forest and sold locally.			(2) Fuel Mds.	6,589	14,151
			Used by Department.		
(1) Timber	1,773	3,642			
(2) Fuel Mds.	6,580	14,151	(1) Timber ...	3,502	32,258
			(2) Fuel Mds.	71	141
Omitted from previous returns.			(3) Bamboos Nos.	6,028	...
			(4) Grass Bdles.	27,000	...
			(5) Lime Mds.	260	...
(1) Timber	292	283			
			In transit from one Depôt to another.		
			(1) Bamboos Nos.	3,225	...
			Balance at close of the year.		
			(1) Timber	3,897	5,496
			(2) Kiras and Koryas ...	14,501	14,501
			(3) Fuel Mds.	35,132	54,802
			(4) Bamboos Nos.	143,112	...
			(5) Grass Bdles.	93,000	...
Total.			*Total.*		
(1) Timber	13,604	47,940	(1) Timber	13,604	47,940
(2) Kiras and Koryas ...	41,234	41,234	(2) Kiras and Koryas ...	41,234	41,234
(3) Fuel Mds.	201,444	278,087	(3) Fuel Mds.	201,444	278,067
(4) Bamboos Nos.	508,148	...	(4) Bamboos Nos.	508,148	...
(5) Grass Bdles.	734,000	...	(5) Grass Bdles.	734,000	...
(6) Lime Mds.	260	...	(6) Lime Mds.	260	...
(7) Miscellaneous ...	116	...	(7) Miscellaneous ...	116	...

Of the balance of forest produce at the close of the year, the *kiras* and *koryas* all belong to the Bundelkhand Division; 42,748 cub. ft. of the fuel represent quantities stored at the several fuel depôts for the Commissariat Department and Settlement of Naini Tál; whilst the bamboos and grass are entirely the unsold outturn of the Bundelkhand Division.

Removal of produce by purchasers and consumers.

Removal of produce by consumers and purchasers.

64. In the Naini Tál Division the supply of timber for building at Naini Tál and Ránikhet is undertaken by purchasers, the trees being sold to them standing at fixed graduated rates according to the girth measurements of the trees. Grass and minor produce also contribute to the revenue under this head. In the Naini Tál Sub-Division grass is cut and removed under permits, and at Ránikhet the monopoly of cutting and selling the grass from the Reserved forest is sold to a contractor. The minor produce consists chiefly of ringals, lime-stone and fruits from the Government Nurseries at Ránikhet.

In the Kumaun, Garhwál and Ganges Divisions the bulk of the revenue, Rs. 4,10,397 out of a total revenue of Rs. 5,81,877, is derived from the removals of timber and bamboos by merchants, who export their purchases to the chief marts of the province. Firewood and charcoal, grazing and fodder grass, and other minor produce also yield a considerable revenue, amounting in this year to Rs. 1,02,348.

From the Bundelkhand Division 'purchasers and consumers' remove timber in log, firewood and charcoal, bamboos and minor produce. These for the most part are consumed locally in meeting the requirements of the villagers and supplying the wants of the chief cities of the District, Jhansi, Lalítpur and Bánda, but large quantities of bamboos are also exported to Agra, Allahabad and Cawnpore.

Summary of produce removed by purchasers and consumers.

65. The following statement summarises the produce removed under this head and compares the outturn with that of the previous year :—

Produce.		Year.		Difference.	
		1892-93, 15 months.	1893-94, 12 months.	Increase.	Decrease.
Timber.		C. ft.	C. ft.	C ft.	C. ft.
(1) Clear or regeneration fellings		...	3,420	3,420	...
(2) Selection fellings		536,898	371,395	...	165,503
(3) Improvement fellings		235,238	150,347	...	84,891
(4) Copice fellings		7,113	...	...	7,113
(5) Unregulated fellings		446,934	164,073	...	282,861
Total timber ...		1,226,183	689,235	...	536,948
Fuel	C. ft	1,736,048	1,247,896	...	488,152
Bamboos	Nos.	20,050,636	12,625,311	...	7,425,325
Grazing and fodder grass	Rs.	32,728	30,920	...	1,808
Minor produce	"	72,412	50,368	...	22,044

The decreases in outturn are generally due to the figures of the previous year covering a period of 15 months, the first 3 months of the longer period (April, May and June) being months when traffic in forest produce is briskest. For a true comparison of the results of the two years, the statement showing the yield of the two Forest years—July 1892-June 1893 and July 1893-June 1894—and which forms the last table in this series of statements must be referred to, showing as it does that, whilst there have been decreases under timber and minor produce, the outturns under fuel, bamboos and grazing and fodder grass have improved.

Comparison by Divisions.

66. *Naini Tál.*—The outturn under timber has considerably decreased (91,976 c. ft.). No dry timber was sold to purchasers this year, as it was found much more profitable to convert it into fuel for the Commissariat and the wants of the settlement. The yield under bamboos and minor produce has risen by Rs. 21,699 in bamboos and Rs. 1,209 in minor produce, respectively; whilst the revenue from grazing and fodder grass has declined in comparison with the previous 15-month period; but as the closing table shows, not when compared with the forest year proper.

Kumaun.—The outturn under timber is considerably less—much less than was anticipated—owing to no *sál* timber having been sold from the Kumia forests, where sales had taken place in the previous year. Fuel, bamboos and minor produce have also fallen off. But the Divisional officer has assigned no reasons for the general decline this year.

Garhwál.—Owing to a short demand for dry timber the fellings did not come up to those of last year, and less bamboos and fuel were sold. The Divisional officer gives no explanations of the differences.

Ganges.—Owing to restrictions placed on the removal of poles, the sales of timber fell off considerably. But more fuel and bamboos were sold; the receipts from grazing increased, whilst those from minor produce declined. The increased outturn under bamboos has been very great; the auction sales of the bamboo blocks having been unprecedentedly favourable. The demand for Bhabar grass from down country markets considerably declined during the year, leading to the fall in revenue from minor produce.

Bundelkhand.—Sales under timber and every other kind of forest produce fell off as compared with last year. The Divisional officer attributes the decline generally to sales on credit being stopped, leading traders to make their purchases from the private forests surrounding the State forests on terms more suitable to them. The matter will receive consideration with reference to the discretion extended to Conservator in section 112 of the Forest Code. This is the first intimation that the Conservator has received of the cause of the decline in demand in this Division. The falling off in revenue from grazing dues is reported to be owing to the introduction of the new experimental grazing rules based on the Dehrá Dún system.

Free grants.

67. Free grants of forest produce were made to the extent noted below :—

Produce.	Year.		Difference.		Remarks.
	1892-93, 15 months.	1893-94, 12 months.	Increase	Decrease	
Timber.	C. ft.	C. ft.	C. ft.	C. ft.	The following are the particulars of these grants :—
(1) Clear or regeneration fellings.	...	...	...	...	
(2) Selection fellings ...	11,516	25,290	13,774	...	
(3) Improvement fellings ...	800	3,468	2,668	...	
(4) Coppice fellings ...	...	...	...	...	
(5) Unregulated fellings ...	...	...	...	...	
Total timber ...	12,316	28,758	16,442	...	
Fuel C ft.	2,500	7,960	5,460	...	
Bamboos Nos.	...	2,250	2,250	...	
Minor produce Rs.	110	...	...	110	

	Timber. C. ft
Naini Tál Division.	
Diocesan Girls' school, Naini Tál.	12,000
Wellesley Girls' school, Naini Tál.	6,116
	18,116
Kumaun Division.	
Nawáb of Rampur ...	7,410
Ganges Division.	
Graziers ...	1,591
Bundelkhand Division.	
To village communities ...	1,641
Total timber ...	28,758
	Fuel. C. ft.
To village communities ...	7,960
	Bamboos. No
Ganges Division ...	2,000
Bundelkhand Division.	
To village communities ...	250
Total ...	2,250

The quantities under this head necessarily fluctuate; but the increase in timber is due entirely to the grants made to the Naini Tál Diocesan and Wellesley Girls' schools under the sanction of the Local Government. The quantities are stated in the remarks column of the tabular statement.

In the Kumaun Division the free grant consisted of the annual allowance of 200 trees to the Nawab of Rampur. It amounted to 7,410 c. ft. against 6,473 c ft. last year—the increased quantity being due to the trees being larger on the average.

There were no free grants in the Garhwál Division.

Ganges Division—The grant was less by 2,701 c. ft. of timber, owing to the requirements for cattle sheds being less. This grant varies from year to year.

Bundelkhand Division.—The free grants consisted of 1,641 c. ft. of timber and 7,960 c. ft. of fuel, and 250 bamboos to the village communities under the sanction of the Local Government.

68. The following table shows the produce removed by right holders and under privileges :—

Produce removed by right holders.

Produce.		Year.		Difference.	
		1892-93, 15 months.	1893-94, 12 months.	Increase.	Decrease.
Timber.		C. ft.	C. ft..	C. ft.	C. ft.
(1) Clear or regeneration fellings		...	15,362	15,362	...
(2) Selection fellings		90,802	20,205	...	70,597
(3) Improvement fellings		72,317	134,005	61,688	...
(4) Coppice fellings		...	...	...	...
(5) Unregulated fellings		22,132	8,497	...	13,635
Total timber ...		185,251	178,069	...	7,182
Fuel	C. ft	1,397,590	2,532,006	1,134,416	...
Bamboos	Nos.	218,331	205,740	...	12,591
Grazing and fodder grass... ...	Rs.	34,553	42,449	7,896	...
Minor produce	"	865	205	...	660

As the villagers are allowed the option of accumulating the timber to which they are entitled under the Forest Settlements up to a supply of three years, the quantities under this head vary from year to year. Less timber was indented for than in the previous year, also fewer bamboos. But there have been increases under fuel and grazing.

Comparison by Divisions.

69. *Naini Tál.*—This Division shows a very great increase under the fuel right, which, however, is not an actual increase. It has been the custom hitherto only to enter in Form No. 57 the actual quantities brought to book, not the *estimated* quantities which the villagers are allowed to remove in head loads. This year the latter have also been included in the Naini Tál Division Form.

Kumaun Division.—Shows decreased amounts, owing to right holders removing less produce in some years than in others under the rule of accumulations above referred to.

Garhwál Division.—The fluctuations have been inconsiderable, slightly less timber and bamboos were indented for by the right holders.

Ganges Division.—Right holders removed 3,658 less timber, 32,014 less fuel, and 2,980 fewer bamboos. Next year they will probably make up for the deficiency.

Bundelkhand Division.—Removals here were in excess by 907 c. ft. of timber and 304 bamboos, whilst fodder gross was under the maximum.

70. In the following table the produce removed by all agencies is summarised. It is the sum of the preceding statements for the year, the quantities for last year for the 15-months period being also reproduced for comparison :—

Summary of removal of produce by all agencies.

Produce.		Year.		Difference.	
		1892-93, 15 months.	1893-94, 12 months.	Increase.	Decrease.
		C. ft.	C. ft.	C. ft.	C. ft.
Timber.					
(1) Clear or regeneration fellings ...		...	23,402	23,402	...
(2) Selection fellings		668,866	431,254	...	237,612
(3) Improvement fellings		359,308	333,085	...	26,223
(4) Coppice fellings		7,113	...	...	7,113
(5) Unregulated fellings		469,099	174,123	...	294,976
Total timber ...		1,504,386	961,864	...	542,522
Fuel	C. ft.	3,394,966	4,056,229	661,263	...
Bamboos	Nos.	20,574,931	13,242,288	...	7,332,643
Grazing and fodder grass ...	Rs.	67,281	73,369	6,088	...
Minor produce	Rs.	74,312	50,963	...	23,349

As the figures have been commented upon under each head separately in the foregoing statements, further remarks are uncalled for.

Outturn by Divisions for Forest year.

71. For purposes of comparison with the past year, the following table shows the yield for the two *Forest* years, present and past :—

Divisions.	Timber.		Fuel.		Bamboos.		Grazing and fodder grass.		Minor produce.	
	Forest years.		Forest years.		Forest years.		Forest years		Forest years.	
	1892-93.	1893-94.	1892-93	1893 94	1892 93	1893-94.	1892 93.	1893-54.	1892 93	1893-94.
	C. ft.	C. ft.	C. ft.	C. ft.	Nos.	Nos.	Rs.	Rs.	Rs.	Rs.
Naini Tál ...	261,224	282,364	399,711	1,873,274	94,104	154,629	10,635	15,708	2,517	4,211
Kumaun ...	249,396	226 849	1,309,467	1,188,610	1,321,990	1,025,355	21,297	27,072	33,080	27,116
Garhwál ...	315,849	239,364	521,242	508,750	3,133,385	2,063,242	9,535	10,784	9,114	9,133
Ganges ...	144,902	90,095	344,457	396,732	4,253,244	9,418,261	8,082	9,714	9,065	6,239
Bundelkhand ...	179,549	123,192	99,693	88,863	560,302	585,807	11,677	10,091	4,678	4,264
Total ...	1,150,920	961,864	2,674,570	4,056,229	9,363,025	13,242,288	61,176	73,369	58,454	50,963

Showing a decrease under timber of 189,056 cubic feet; an increase under fuel of 1,381,659 cubic feet; an increase under bamboos of 3,879,263 in number, with a further increase in grazing and fodder grass of Rs. 12,193 and a falling off under minor produce of Rs. 7,491.

The decrease under timber is considerable, but it loses its significance when it is seen that the total difference in the revenue from timber—heads I(*a*) and II(*a*)—between the two years under comparison amounts to only Rs. 15,500; the fact being that excluding the short sales from the Kumaun division, the bulk of the falling off consists of the less important kinds of timber 62,440 *kiras* and *koryas* (small timber) in the Bundelkhand division, which sell at the average rate of 8 or 9 annas per hundred pieces; of dry fallen wood in the Garhwál division, which declined during the year by some 40,000 cubic feet; and of tors (inferior miscellaneous poles) in the Ganges division.

The increase under bamboos on the other hand is very remarkable, most of it occurring in the Ganges division, the receipts from this produce being Rs. 23,825 in excess of those of last year in this division alone, due as stated in paragraph 66 to the auction sales of the bamboo areas having been very favourable.

CHAPTER IV.—FINANCIAL RESULTS.

Financial forms.

72. Forms 61, 62 and 64 drawn up in the Comptroller and Auditor General's office and attested by him together with Forms 60 A and B, 63 and 65 prepared in the Conservator's office, are appended to the Report. These forms exhibit all the financial figures of the year.

Revenue and expenditure of the year.

73. The Revenue and expenditure of the year amounted to :—

		Rs.
Revenue		5,81,877
Expenditure A. 1, 66,228 }		3,17,659
" B. 1, 51,431 }		
	Surplus ...	2,64,218

Comparison with previous year's figures.

74. The comparison with the figures of the previous year is as follows :—

Year.	Revenue. Rs.	Expenditure. Rs.	Surplus. Rs.
1892-93	5,96,987	2,91,905	3,05,082
1893-94	5,81,877	3,17,659	2,64,218
	—15,110	+25,754	—40,864

Whilst the revenue is Rs. 15,110 less than that of the previous year, the expenditure is Rs. 25,754 more, being a net difference of Rs. 40,864 against the year. But the comparison would not be a just one, if no account were taken of the many items of expenditure of the year, either not occurring in previous year or of a non-recurring nature These account for Rs. 24,383 of the rise in the expenditure, and are as follows :—

		Rs.
(I)	Exchange compensation allowance	5,433
(II)	Purchase of two new elephants to replace casualties	3,450
(III)	Increase in salary of Working Plan's officer	8,000
(IV)	Expenditure in preparation of new Working Plans for the Circle ...	2,000
(V)	Initial cost of new schemes for the supply of fuel to the Commissariat Department and to the settlement of Naini Tál	4,000
(VI)	Initial costs of supplying the Lansdowne Cantonment with fuel	1,500
		24,383

The decrease in revenue is owing to the unexpected failure to sell *Sál* trees in the Kumia Working Circle of the Kumaun Division (such sales had taken place in the previous years) and to a fall in the receipts of the Bundelkhand Division. The short sales in the former Division were due to the dulness of the market, and the officer in charge of the Bundelkhand Division attributes the decline in his receipts partly to the stoppage of sales on credit, traders purchasing from private forests on terms more suitable to them, and partly to the bamboos sent to Allahabad for sale not being of the most suitable kinds. All these causes are capable of remedy, and there is every reason to hope that there will be a considerable increase in the revenue next year.

Further, taking into account that there was a difference in the value of live and dead stock at the close of the year of Rs. 22,718 in favour of the year, and that the outstandings on account of revenue at the close of the year exceed those at the commencement of the year by Rs. 6,358, the comparison is not unfavorable to the year.

Revenue and Expenditure by Divisions.

75. The following statement compares the actuals by Divisions with those of the previous year :—

	Receipts.		Charges.		Surplus.		Deficit.	
	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93	1893-94.
	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction ...	2	13	47,724	57,143	"	"	47,722	57,130
Naini Tál ...	79,623	78,162	56,440	59,213	23,183	18,949	...	...
Kumaun ...	1,50,746	1,34,400	49,019	49,659	1,01,727	84,741	...	...
Garhwál ...	1,92,634	1,86,901	75,298	78,055	1,17,336	1,08,846	...	...
Ganges ...	1,41,370	1,57,180	43,053	47,652	98,317	109,528	..	...
Bundelkhand ..	32,612	25,221	20,371	25,937	12,241	...	...	716
Total ...	5,96,987	5,81,877	2,91,905	3,17,659	3,52,804	3,22,064	47,722	57,846
Net Surplus ...	...	...	...	...	3,05,082	2,64,218	...	...

Comparison by Divisions.

76. *Naini Tál Division*—The decrease in the surplus as compared with the previous year is due to the initial expenditure in starting the new scheme for supplying the Commissariat Department and the settlement of Naini Tál with fuel. But at the close of the year there was a stock of fuel in hand worth Rs. 7,654 against nothing at the close of the previous year, and Rs. 3,911 in increased value of buildings, &c., so that the working of the year compares very favourably with that of the previous year.

Kumaun Division—The fall in revenue and consequent diminished surplus was due chiefly to no Sál timber being sold in the Kumia forests, where sales had taken place in all the previous years. Something less was received for dry wood, and there was a fall of about Rs. 5,000 under Minor produce, chiefly under lime and katha. The timber stock in hand at the close of the year was Rs 258 in favour of the year and there is an increase in the value of live and dead stock of Rs. 3,851.

Garhwál Division—The surplus has decreased by Rs. 8,490, due entirely to a less demand for dry timber and bamboos. But it still heads the list with the highest gross revenue and has the largest surplus with the exception of the Ganges Division. There was no timber in stock at the commencement and close of the year. But there is an increase at the close of the year of Rs 4,489 in the value of other live and dead stock.

Ganges Division.—Has the distinction of being the only Division this year showing a surplus in excess of the previous year and that by the very appreciable sum of Rs. 11,211; the favourable sales of bamboos accounting for the whole of it. The increase and surplus are the largest on record for this division. The stock of timber in hand is Rs. 95 in favour of the year, and Rs. 2,611 also in favour of the year in the value of other live and dead stock.

Bundelkhand Division.—There was no surplus this year against Rs. 12,241 last year, in fact the expenditure has exceeded the revenue by Rs. 716. The results are disappointing. But I am inclined to agree with the Divisional Officer that the explanation is to be found partly in the fact that as the Government forests, are here surrounded by private forests, the enforcement of cash sales under the general prescriptions of section 112 of the Forest Code drove traders who could in former years purchase on credit to obtain their produce from private forests on terms more suitable to them. The credit system was stopped by my *locum tenens*; but it will now be for consideration whether reversion to the former practice may not be resumed under the discretionary clause of the section. Sufficient care too does not appear to have been exercised in selecting the bamboos sent to Allahabad, which consequently could not compete in the market and fetched low prices lower than the same kind of bamboos fetched nearer home; nor were they sent at the proper time of the year when there is a greater demand on account of repairs to buildings, and lastly owing to the long drought sales of grass and Mahowa fruit fell off. There was also an increase in expenditure under establishments of Rs. 4,486, the former Extra Assistant Conservator in charge of the Division having been replaced by a Deputy Conservator of the 3rd grade.

Receipts and charges under main heads.

77. The receipts and charges, together with the resulting surplus or deficit under the three main heads of work, compared with those of the previous year were:—

	Receipts.				Charges.				Surplus or Deficit.			
	1892-93.	1893-94.	Increase.	Decrease.	1892-93.	1893-94.	Increase.	Decrease.	Surplus.	Deficit.	Surplus.	Deficit.
									1892 93.		1893-94.	
	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Departmental operations	61,856	62,420	564	...	39,531	47,074	7,543	...	22,325	...	15,346	...
II. Other Revenue.	5,35,131	5,19,457	...	15,674	1,24,592	1,32,153	7,561	...	4,10,539	...	3,87,304	...
III. Protection. ...	...	...	...	...	1,27,782	1,38,432	10,650	...	...	1,27,782	...	1,38,432
Total ...	5,96,987	5,81,877	...	15,110	2,91,905	3,17,659	25,754	...	3,05,082	...	2,64,218	...

Showing 24 per cent. of the gross revenue of the year expended on protection and improvements against 21 per cent. in the previous year. Of the year's expenditure on this account 36 per cent. was incurred on roads and buildings against 39 per cent. in the previous year, leaving 64 per cent. for other improvements.

Revenue and Expenditure under Budget heads.

78. The usual comparison of the receipts and expenditure under each budget head with those of the previous year is made in the following statement;—

Year.	Receipts. Budget heads. I.	II.	III.	IV.	V.	Total.	Expenditure. Budget heads. A. Conservancy and Works. I.	II.	III	IV.	V.	VI.	VII.	VIII.	IX.	Total.	B. Establishment. I.	II.	III.	Total.	Grand Total A and B.
	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1892-93 ...	61,856	5,17,824	824	...	16,483	5,96,987	29,910	27,014	...	...	744	9,453	53,533	30,699	2,629	1,53,983	1,13,929	16,538	7,456	1,37,923	2,91,905
1893-94 ...	62,420	6,12,745	1,075	...	5,637	5,81,877	35,427	29,912	...	...	357	13,438	51,010	34,865	1,219	1,66,228	1,28,002	16,212	7,217	1,51,431	3,17,659
Increase ...	564	...	251	...	...	...	5,517	2,898	...	...	...	3,985	...	4,166	...	12,246	14,073	...	...	13,508	25,754
Decrease ...	...	5 079	...	...	10,846	15,110	...	...	...	...	387	...	2,523	...	1,410	...	...	326	239	...	...

Forms No. 60 A and B. Value of live and dead stock.

79. The difference in the value of timber and other produce and of live and dead stock in hand at the beginning and at the close of the year under report was:—

	Timber, &c.	Live and Dead Stock.
	Rs.	Rs.
Value on 1st July 1893	... 3,738	1,93,274
Ditto on 30th June 1894	... 10,661	2,09,069
Differences	... +6,923	+15,795
Net balance in favour of the year	...	22,718

Forms Nos. 63 and 64 outstandings.

80. The outstandings on account of revenue have increased from Rs. 6,911 at the commencement to Rs. 13,269 at the close of the year, while those due from contractors and disbursers stood as follows:—

	Rs.
On 1st July 1893	14,537
On 30th June 1894	14,579

Net results of the year's transactions.

81. The following is the result of the year's transactions:—

	Rs.
Cash surplus	2,64,218
Add Increased value of stock at Depôts, Form 60 A and B	22,718
Add—Outstandings due, Forms Nos. 63 and 64	27,848
Total in favour of the year ...	3,14,784

as compared with Rs. 3,41,466 in the previous year, and an average for the past five years of Rs. 3,23,043.

CHAPTER V.—FOREST ADMINISTRATION.

Officers in charge.

82. The writer of this report held charge of the Circle for the greater part of the year, but was relieved from December to March by the following officers:—

	From	To
Colonel J. E. Campbell, Officiating Conservator ...	19th December 1893 ...	9th January 1894.
Mr. A. E. Wild, Conservator	10th January 1894 ...	27th March 1894.

The different Divisions were in charge of the following officers:—

Naini Tál ..	Mr A. G. Hobart-Hampden, Deputy Conservator of Forests ...	1st July 1893 ...	30th September 1893.
	Mr F A. Leete, Assistant Conservator	1st October 1893 ...	30th June 1894.
Kumaun ...	Mr. F. A. Leete, F. C. H. Assistant Conservator	1st July 1893 ...	30th September 1893.
	Mr. A. G Hobart-Hampden, Deputy Conservator of Forests ...	1st October 1893 ...	30th June 1894
Garhwál ...	Colonel J. E. Campbell, Deputy Conservator.	Throughout the year.	
Ganges ...	Mr. W. Shakespear, Deputy Conservator.	1st July 1893 ...	1st September 1893.
	Mr. J. M. Blanchfield, Extra Assistant Conservator.	2nd September 1893	1st November 1893.
	Mr. W. Shakespear, Deputy Conservator.	Remainder of the year.	
Bundelkhand,	Babu Raghu Nath Pathak ...	1st July 1893 ...	31st October 1893.
	Mr E. A. Down, Deputy Conservator.	1st November 1893	30th June 1894.

Working Plans - Mr. F. B. Bryant, throughout the year

Mr. J. M. Blanchfield was transferred to the Oudh Circle from 2nd November 1893, on Mr. Down's joining from furlough.

Mr. Haslett, Extra Assistant Conservator, was employed during the early part of the year in the Ránikhet Sub-Division, and throughout the field season on enumeration surveys under the Deputy Conservator in charge of the Working Plans Division.

Babu Raghu Nath Pathak was similarly employed, after being relieved of the Bundelkhand Division, in carrying out valuation surveys under the Working Plans Officer.

Range Officers.

83. The staff of Range Officers was strengthened by two passed students of the Imperial Forest School with Upper Class certificates (Parmeshwar Dass and Ram Swarup) and by 2 Foresters with Lower Class certificates. The deaths of Rangers Fateh Singh and Inder Singh who had served since 1870 and 1865, respectively, and 3 Foresters have unfortunately to be recorded. There were at the close of the year 11 Rangers in the Circle, of whom one is employed under the District Officer of Garhwál. No less than 26 Range charges are held by Foresters, which is a most unsatisfactory state of things, and can only be remedied by sanction being accorded to the long pending re-organization scheme. The number of Ranges has been increased under Working Plans and in view to an increased Subordinate establishment, and the delay in sanctioning this latter makes it impossible to provide a sufficiency of competent men for these charges. Recourse has constantly to be made to placing two or more Ranges under one man, or to the equally unsatisfactory arrangement of entrusting a charge to a forest guard.

Conduct of subordinate establishment.

84. The establishments are generally held to have worked satisfactorily, except in Bundelkhand where 7 guards were dismissed and two were prosecuted and imprisoned.

Office Establishment.

85. Mr. Sheils, Superintendent of the Conservator's office, has continued to merit the commendation recorded in last year's report. The long contemplated revision of the sanctioned office establishment is also becoming a matter of urgent necessity. The systematic control of all operations under Working Plans necessitates more office work, and although officers and their establishment cope with it, except in the Ganges Division from which returns and correspondence are rarely up to date, the small increase in strength and promotion recommended for sanction by the Local Government to the Government of India is sorely needed.

Sanctioned and actual expenditure in Establishment.

86. The following statement compares the expenditure during the year with that of the previous two years on Subordinate forest and office establishment:—

Provincial forest service, below the rank of Extra Assistant Conservator, and subordinate service.					Office Establishment.			
Year.	Permanent.	Temporary.	Total.	Actual expenditure.	Permanent.	Temporary.	Total.	Actual expenditure.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1891-92—12 months ...	34,620	28,382	63,002	56,103	11,604	1,260	12,864	12,255
1892-93—fifteen months (April 1892 to June 1893.)	43,275	35,469	78,744	72,343	14,505	2,418	16,923	16,911
1893-94—12 months ...	34,620	30,206	64,826	60,357	11,604	3,931	15,535	14,720

The actual expenditure falls below the total sanctioned amounts owing to leave and casualties amongst the staff.

Services of the upper and lower controlling staff.

87. Of Divisional officers Colonel J. E. Campbell, in charge of the Garhwál Division, Mr. F. B. Bryant in charge of Working Plans, and Mr. F. A. Leete, F. C. H., are considered to merit special commendation. Mr. Down and Mr. Hobart-Hampden have also given satisfaction in charge of their respective Divisions.

Babu Raghu Nath Pathak, Extra Assistant Conservator, has worked well throughout the year, and Mr. Haslett, Extra Assistant Conservator, was more favourably reported upon during the latter half of the year than previously.

General Remarks.

General remarks.

88. It is satisfactory to be able to record that the new arrangements for the supply of fuel in Naini Tál have so far worked well. Mr. Leete writes as follows :—

"The scheme by which the forests were to be closed to jhampanies, and fuel was to be supplied departmentally, came into force on the 1st January 1894, and, so far, I believe, has worked very satisfactorily. Disquieting prognostications were indulged in by the public and the press at the close of the 1893 season when the proposed change was first published; but they have all come to nothing, and the residents themselves are beginning even to look favourably on the change."

Two new elephants were bought for Rs. 3,450 at the Sonepur fair through Mr. G. E. Manisty, C. S., the Collector of Sarun, who was kind enough to arrange for their purchase and despatch up-country. The number of elephants in the circle was thus increased to 10.

Man-eating tigers killed for short periods in the North Patli Dun and in the Nandhaur Forests, and then disappeared.

Dated Naini Tal :
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle,
N.-W. P. and Oudh.

OUDH CIRCLE.

No. 129 OF 1894-95.

FROM

S. EARDLEY-WILMOT, ESQ.,

CONSERVATOR OF FORESTS, OUDH CIRCLE,

N.-W. PROVINCES AND OUDH,

To

THE SECRETARY TO GOVERNMENT,

N.-W. PROVINCES AND OUDH,

REVENUE (FOREST) DEPARTMENT.

Dated Naini Tal, the 20th September 1894.

SIR,

I HAVE the honor to forward the Administration Report for the Oudh Circle for the Forest year 1893-94. The financial statements were received from the Auditor and Comptroller-General on the 1st September 1894, and the manuscript of the Report has been to-day forwarded to the Press.

I have the honor to be,

SIR,

Your most obedient servant,

S. EARDLEY-WILMOT,

Conservator of Forests, Oudh Circle,
N.-W. P. and Oudh.

OUDH CIRCLE REPORT.

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ANNUAL PROGRESS REPORT
OF
FOREST ADMINISTRATION IN THE OUDH CIRCLE, N.-W. P. AND OUDH,
For the year ending the 30th June 1894.

CHAPTER I.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

I.—Alteration of Areas.

1. The area of the Circle shows a decrease of one square mile which is due to corrected calculations in Pilibhít. In Gorakhpur 2,016 acres were transferred from unclassed to Reserved Forests. The correct areas of all the forests will only become available when the survey is completed.

II.—Forest Settlements.

2. As reported last year, there is, save in Pilibhít, no question of Forest Settlements in the Circle as regards rights; but the definition of concessions is still incomplete, although progress has been made in this matter. Proposals have been laid before Government defining the amount of concessions on the basis of cultivated area; and it appears unnecessary, pending the issue of final orders, to refer in more detail to this subject.

In Pilibhít the results of the working of the new rules under the settlement are awaited before further steps need be taken. An exchange of lands in the Baibaha forests in order to simplify the boundary is practically complete, but the final notifications did not issue before the close of the year. Five villages were struck off the list of right-holders under Rule XIII of the Puranpur Pargana Rules, as the owners had sufficient areas of forest land to provide produce to their tenants. The case of fifteen other villages is under the consideration of the Collector.

In Kheri the Khairigarh exchange of lands has been effected, and the areas taken and handed over. The former will now be gazetted as reserved, and the latter disforested; but the final transfer cannot be signed until the exact areas have been worked out by the Survey Branch. The definition of concessions in this division it is proposed to carry out next working season on the basis of the proposals made for the Bhinga forests, or such part of those proposals which may be accepted by Government. The alteration of the location of open and closed areas in the Bhira Range, whereby tree forest will be closed and grass lands opened to grazing, cannot be completed until the extent of each of these areas is worked out by the Forest Survey Branch.

In Bahraich proposals have been submitted to Government for the definition of concessions in the Bhinga and Chakia Charda Ranges, and it is intended to complete the definition of concessions for the Motipur Range during the winter. Arrangements for supplying the requirements in timber of the privileged villagers were indicated in the working plan for these forests; and orders will doubtless soon issue whereby the open forests will be preserved from indiscriminate cutting of miscellaneous trees and the tenantry gratified by grants of sál timber from the improvement fellings in this range. For the Charda forests the exchange of lands incidental on the re-alignment of the boundary will be completed as soon as the Forest Survey has calculated the areas concerned.

In Gonda the re-alignment of boundary of the Tulsipur forests and the survey thereof being completed, the report of the Forest Survey as to exact areas affected must be awaited before the final instrument of transfer is signed. The question of the claim to privileges of the tenantry of the Balrámpur Estate has been settled by Government in favour of the Department; but action on these orders is deferred till 1899, when the grazing lease expires; but the forests of the Tulsipur parganas in Gonda and Bahraich will then only be burdened with the duty of providing grazing and produce on payment at reduced rates up to the amount actually necessary to the welfare of the agriculturists of these parganas.

Gorakhpur being happily free from rights or concessions, requires no further settlements, and it will be observed from Form 47 that steps have been taken to reserve State property and to acquire at a heavy cost such areas of private land which carried a right to grazing or produce, or which by their position rendered protection difficult. The case of the area in Arazai Tulsi Ram, where nearly 1,400 acres, the property of the Department, remained unknown, is instructive.

III.—Demarcation.

3. The work of replacing boundary marks in the forests of the Circle with monoliths of uniform pattern proceeded steadily, and in two years should be completed. Rupees 6,737 were expended during the year under this head.

In Pilibhít 200 monoliths were purchased, but only 95 were erected, as the settlement of the Baibaha boundary was not completed, and demarcation had therefore to remain pending. The demarcation of grass lands had to be abandoned pending the receipt of the 4-inch maps from the Forest Survey Branch. Although the survey was completed a year ago, no maps are yet available. The usual work of clearing boundary lines was carried out, the total expenditure being Rs. 1,133.

In Kheri 492 monoliths were purchased and 562 erected; the Nipal and other boundary lines were cleared. The total expenditure amounted to Rs. 2,227. So soon as the actual areas under exchange are worked out by the Forest Survey, the demarcation of the division will be at once completed. The Khamaria boundary dispute dragged along throughout the year, the opposing landowner agreeing to nothing or absenting himself from the often proposed meetings at the disputed point. Towards the close of the year, however, opposition relaxed, and the final demarcation of the locality in question will be concluded next season.

In Bahraich 1,450 monoliths were purchased and 642 erected. The Nipal and other boundary lines were cleared. The total expenditure of the year amounted to Rs. 2,575. The demarcation of the new boundary of Charda is now proceeding.

In Gonda the demarcation of the re-aligned boundary was completed with the exception of six pillars. The Ramgarh forests were also demarcated with numbered masonry pillars; 64 monoliths were purchased and 264 erected. The total expenditure amounted to Rs 115, but a further sum of Rs. 853 was expended by the Balrámpur Estate, which under agreement pays one-half of the cost of re-alignment, and Rs. 228 was paid by the Deputy Commissioner for clearing the Nipal boundary lines Out of 110 miles of boundary of the Tulsipur forests, only 18 miles of the old boundary have been retained; 17 miles of boundary is marked by natural features, and of the remaining 75 miles the whole length has been marked by a ditch, and for 16 miles a 20-feet broad boundary line has already been cut; the remainder will be finished next winter.

In Gorakhpur 80 monoliths were purchased and 705 erected. The work should advance with more celerity as funds are available. The total expenditure amounted to Rs. 929.

IV.—Surveys.

4. The Forest Survey was at work in Kheri and in Gonda. In the former division 356 square miles were surveyed, and in the latter 141 miles of boundary were surveyed in connection with the re-alignment of the Tulsipur boundary. The total expenditure during the forest year amounted to Rs. 12,449.

5. The speed and economy with which the Forest Survey Branch carries out its work and the accuracy and beauty of the finished maps is too well known to require comment in this report; but it is to be regretted that too much delay takes place in the result of the work being communicated to the department concerned. It has already been mentioned that the maps of the Pilibhít forests are not yet available, and that in many cases settlements of boundary are awaiting the computations of areas. The issue of good maps is of vital importance in the accurate preparation of working plans; and it is hoped that they may speedily be forthcoming for areas already surveyed.

6. The question of the definite demarcation of the Nipal boundary, where this is marked by rivers, is one which must soon engage the attention of Government. The Forest Survey found that the course of rivers has so changed since the last survey of the northern districts in Oudh that the old maps do not with any accuracy represent the present river beds. Comparative maps will have to be compiled representing the present and true river boundary, and the original boundary will have to be laid down by a system of permanent pillars at a safe distance from the river bank, from which offsets and bearings to the actual boundary line will be registered. Such a proceeding will require to be conjointly carried out by the representatives of the British and

Nipal Governments, and the report of the Forest Survey Branch is awaited, when the matter may be represented in detail to Government and orders issued in order that the work may be completed during the winter and before the survey marks erected in 1893 are obliterated.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—Regulation of management.

(a) *Working plans and their control.*

7. The compilation of working plans has made good progress. Four working plans, viz., Bhinga, Nawabganj, Gorakhpur, and Motipur, have during the year been sanctioned by the Supreme and Local Governments, thus regulating the working of 486 square miles of the State Forests. The cost of these plans has aggregated Rs. 5,321, that for Motipur having been compiled by Mr. B. A. Rebsch, Deputy Conservator, in addition to his own duties, and having been commended by the Government of India.

8. The statistics for the Kanjuria, Bhira, Pilibhít and Chakia Charda working plans have been collected, and they should issue in the course of the next year, when only 136 square miles of the whole area of the Circle will be unprovided for. This area consists of the Tulsipur forests of Gonda, where the crop is extremely irregular, the market unassured, and the forests so burdened with grazing and other privileges in terms of the Balrámpur grazing lease, that no attempt to systematize working would be profitable until the expiry of that lease in 1899, and until the extension of the Bengal and North-Western Railway from Gonda to Uska Bazar is more forward than at present. In that year or before it a plan should be drawn up. The future of these forests when supplied with cheap carriage and freed from the burdens now existing will be brighter than at present, and the regular working of the area will be more possible.

9. With regard to the control of working plan, complaints are made, and with justice, that the plans come into force before they reach the divisional office, and that the prescriptions of the first year of working cannot be carried out in that year. The Working Plans Officer has been directed to make his prescriptions coincide with the year in which the working plan will reach the Divisional Officer. Enormous and unforeseen delays in the press are accountable in some cases for this inconvenience, and experience has taught that the mechanical work of printing is often longer and more full of error than the original work of compiling.

10. Another complaint is that the gradual cessation of departmental work and the introduction of direct sales must overlap in the first year of working, thereby obliging departures from the prescriptions of the plans; but this is only a temporary inconvenience which time will cure, and with the exception of these unavoidable discrepancies, it will probably be found that Divisional Officers, fully impressed with the responsibilities of carrying out the orders of Government as contained in the working plans, have done so so far as was practicable. The control forms of the year are due after the despatch of the Annual Report, so that they cannot be criticised here.

(b) *Annual plans of operations.*

11. The annual plans of operations were, as usual, submitted by Divisional Officers and their prescriptions adhered to to a great extent. As in former years, Divisional Officers did not carry out all the works that were prescribed for or by them, and in consequence a portion of the budget grants for works of improvement lapsed. This was notably the case in Bahraich and Gonda; in the former division the controlling officer was unassisted during the year; in the latter he neglected his work owing to sickness and domestic distractions. For forests where a working plan exists these annual plans

of operations appear almost needless, as, if the prescriptions of the working plans are not carried out, both the Government of India and the Local Government become aware of the fact through the medium of the Control Forms.

II.—Working of the year.

(a) *Communications and Buildings.*

12. The expenditure for the year on roads and bridges amounted to Rs. 11,791 and on buildings to Rs. 23,613 against Rs. 13,100, and Rs. 15,711 of last year. The total length of roads in the Circle now amounts to 1,310 miles.

Communications.

In Pilibhit the ordinary road repairs were carried out and a new road begun; only Rs. 6 being charged, however, during the year under report. The total expenditure amounted to Rs. 783.

In Kheri the repairs of roads cost Rs. 2,072. No new roads were made. The expenditure on bridges amounted to Rs. 3,179. Two new pile bridges were constructed on a pattern designed by Mr. Hill, Deputy Conservator. Copies of this design have been circulated to Divisional Officers and to Conservators. The main item of expenditure on bridges related to the up-keep of boats for the Sarda crossing at Srinagar; Rs. 2,042 were thus expended. The disposal of these boats is difficult, for with railway pile bridges at Srinagar and Bahramghat river traffic is practically closed. Five boats were sold at Rs. 900 each to the Railway Company.

In Bahraich the repairs of existing roads were carried out at a cost of Rs. 2,093, and new roads on a length of 9¼ miles were constructed at a cost of Rs. 198. Repairs of bridges cost Rs. 166, and two new pile bridges were put up for Rs. 583.

In Gonda the road repairs cost only Rs. 694 to the Department, as in some cases half expenses are borne by the Balrámpur Estate. About 6¼ miles of new road were constructed, but only part of the expenditure thereon, amounting to Rs. 180, was charged off in the year.

In Gorakhpur repairs to existing roads and bridges and the construction of temporary bridges cost Rs. 626. New roads on a length of 27 miles, and at a cost of Rs. 1,193, were completed. It is satisfactory to note that good progress has been made in communications in this division, where the remunerative working of hitherto inaccessible forest depends on the construction of good roads. Several pile bridges on the standard pattern are still required, the confirmation of the country rendering the design before mentioned eminently suitable for this purpose.

Buildings.

In Pilibhit repairs to existing buildings cost Rs. 410, and Rs. 780 were expended on building out-houses and forest guards' quarters. The style of building in this division is extremely inferior, and improvements are urgently required.

In Kheri ordinary repairs cost Rs. 1,300 and new buildings Rs. 7,410. The latter sum includes completion of an office building at head-quarters; completion of a rest-house at Mailani; re-roofing the head-quarters bungalow, and collection of material for building forest guards' quarters. It is expected that work for the accommodation of the executive staff will proceed with more speed in future.

In Bahraich repairs to existing buildings cost Rs. 642 and construction Rs. 2,353; most of the latter sum was expended on collection of material for the construction of buildings in terms of the working plans. Up to the present sums allotted for this purpose have not been utilized, and it is expected that this shall not in future occur.

In Gonda Rs. 830 were expended on repairs and Rs. 2,158 on new buildings, but little work was completed during the year. Quarters for the executive staff are urgently required and this work must be pushed on.

In Gorakhpur Rs. 1,318 were spent on repairs, and Rs. 6,412 on new buildings. Almost the whole of this latter sum was disbursed on account of the accommodation at head-quarters of the Divisional Officer and his office; but one new rest-house and five quarters for Rangers and guards are under construction, and one forest guards' quarters has been completed. The working plan prescribes the buildings required, and it remains for the Divisional Officer to construct them.

Other Works.

The Circle expenditure of Rs. 3,325 was devoted to the annual clearing of wells and camping grounds, whilst one new well was constructed in **Kheri**, two completed and four commenced in **Bahraich**, and three commenced in **Gonda**. The expenditure includes a sum of Rs. 539 on protective works at Bahramghat, where the river Sarda was encroaching on the depôt lands.

(b) *Protection of forests from injury.*

(1) *General protection and breaches of Forest Law.*

13. This issue of working plans has doubtless a beneficial effect on the protection of the forest as well as on its working. The head-quarters and the

charge of the Protective staff are not liable to alteration at the discretion of the divisional officer, and thus confusion on account of frequent changes is avoided; whilst a series of works of improvement and protection are prescribed and must be carried out in due course.

14. Cases before the courts were 71 in number; of these 67 were disposed of during the year by 49 convictions and 18 acquittals, involving 87 and 37 persons, respectively. Last year there were 94 cases with 84 convictions, when 164 persons were punished and 19 acquitted. The percentage of acquittals was high and is chiefly referable to the difficulty of proof in the case of forest fires and also in drift timber cases. The falling off in number of cases is chiefly in Bahraich, which was responsible for the abnormal increase last year for the reason then given; the procedure has now apparently been amended.

15. The number of cases compounded amounted to 101, involving 187 persons in payment of Rs. 1,044-5-6. The increase is chiefly in Gorakhpur, where illicit grazing in closed forests must be stopped. Three-fourths of the cases come from Gonda and Gorakhpur, where the forest officers have no magisterial powers. It appears probable that some of the petty cases tried magisterially might have more rapidly been dealt with under section 67 of the Act.

16. Prosecutions entered upon under Notification No. $\frac{349F.}{825\text{-}66}$, dated 2nd May 1891, failed, as it could not be proved that the owners of forests who permitted fire to cross over into reserves were desirous of burning their forests.

(2)—*Protection from fire.*

17. The season was unfavourable, being excessively dry and hot whilst violent winds raged during the month of May. As usual fires caused little damage in the main forests of the Circle, and also as usual attempts were made to burn the outlying forests in Bhira and Pilibhit. These attempts were successful in the latter Division, but were frustrated in Bhira by the activity of the divisional officer and his staff. It is expected that the difficulties attendant on first closure to fire of forests open to grazing are now successfully combated in Bhira, but in Pilibhit the tenantry continue obstinately opposed to fire conservancy. All mechanical devices for protection have been applied to these forests, the staff has also been reorganized and put in good working order, and it remains now to ask that action may be taken under the final clause of section 25, Act VII of 1878, after due notice has been served on the tenantry.

18. The whole area of the Circle under tree forest is now protected from fire, with the exception of 22,942 acres in Pilibhit, comprising the unrestricted compartments of Puranpur, which, in accordance with Government Orders, were burnt over by the Department in the spring with great damage to forest growth. Some of these compartments burnt again in the summer. The following details of Divisional results will explain the working of the year:—

In **Pilibhit** 16 fires occurred, burning over 33,911 acres, of which only one fire burning 30 acres was due to accident during Departmental firing of unrestricted compartments. Up to the 19th May there had been only 9 fires over 5,121 acres, only 102 Acres of closed reserve being burnt, and the most dangerous period of the year was, as usual, then considered to be over. But between the 20th and 23rd of May the forest was fired in five separate places, and the conflagrations spread over 28,790 acres, of which 25,493 acres were situated in reserves unburdened with rights. Of these five fires two were lighted on the 20th May, one of these was extinguished the following day, the other passing clear through the closed forest. On the 21st May another fire was lighted, which was extinguished on the 23rd May after enormous damage had been done; and again at midday and in the evening of the same day two more fires were started, which completed the disasters of the year. There can be no doubt that these fires were intentionally lighted in the most dangerous season of the year, at the worst time of the day, and with intention in more than one place, so that the divisional officer and his staff could not successfully cope with them, and finally with the knowledge that no system of fire lines could be effective against the passage of fire driven by strong winds at high temperature. The prosecutions entered upon in this connection were unsuccessful with the exception that 19 persons incurred a small fine for passing along closed roads. Seven fires passed from private forests

into Government reserves and tentative prosecution of one owner of a forest failed as noted in paragraph (16) of this report. During the last four working seasons four divisional officers have been in charge of the Pilibhít forests; all have been taking the difference in climatic circumstances into account, equally unsuccessful in fire conservancy. All of them when in other divisions have been able to protect the forests in their charge. The system of mechanical protection is perfect in the Pilibhít forests, and the staff is now adequate. Only the direct action of Government through the District Officer as proposed in paragraph (18) would appear now indispensable to stop forest fires in this division. The expenditure amounted to 5·17 pies per acre for the area under protection and to 9·6 pies per acre for the area protected.

In **Kheri** 1,05,841 acres were successfully protected in the trans-Sarda forest with a loss of only 10 acres through the carelessness of travellers. The advantages of the new system of protection as prescribed in the working plan have now been proved. The prescriptions of the working plan as to fire lines have now nearly all been carried out. In the Bhira Range 22 fires occurred, which passed over 3,130 acres of closed reserve and 1,898 acres of open reserve; thus, though twice as many fires occurred as in last year, only one, fourth of the area was burnt. Detection and punishment followed in one case. Most of the fires were purposely lighted by graziers. The staff worked well during a most trying time.

Great progress was made in this range in the construction of clear cut lines on the system prescribed last year, and this will be completed next season The cost of operations for the Division amounted to 9 32 pies per acre for area under protection and 9·56 pies per acre for the area protected.

In **Bahraich** there was as usual most successful work done; only one fire of 10 acres occurred owing to the carelessness of travellers. The divisional officer is to be congratulated on these excellent results in a trying season. The system of clear cut fire lines prescribed by working plans or devised by executive orders was nearly completed at a small cost. Protection cost 6 18 pies per acre.

In **Gonda** there were nine fires, passing over 3,575 acres, and of these, eight fires are reported as having been purposely lighted. Two thousand four hundred and sixty-one acres were burnt in the Nawábganj coppice forests in four separate fires, only one of which crossed from private forests. The remaining burnt area was in the Tulsipur forests, and the fires were caused by villagers residing in Nipal. Last year fires were occasioned in the same way, and one offender having been arrested, the matter was referred to the Nipal Darbár; but the orders issued appear to have had no effect, and the matter has again been represented. The divisional officer was extremely lax in the execution of his duty in reporting the occurrence of forest fires to the Head office and in making enquiries into their cause His example was naturally followed by his subordinates, but it is expected that these irregularities will not be repeated. The system of clear cut fire lines was commenced and a fair amount of work done save in the Bhambhar Range, where the Range officer showed no energy in this respect. The cost incurred amounted 1 37 pie per acre for area under protection and 1· 42 pie per acre for area protected, which is extremely low and seems to point to the advisability of increasing the protective establishment.

In **Gorakhpur** the whole area under protection remained unburnt. During the last two years 122 miles of clear cut fire lines have been constructed and the produce therefrom sold for Rs. 16,104. This work is now nearly complete Protection cost 10·37 pies per acre, but out of this a sum of Rs. 300 was paid as rent to the Bengal and North-Western Railway on account of forest land given free to the Company, and Rs 1,917 was Capital expenditure on new fire lines which have repaid their cost more than four times over by sale of produce.

19. The following two statements show details by divisions of fire conservancy results and the causes of fires :—

No. I.

Division.	Area attempted.				Area protected.		Failures.				Cost.		Cost per acre attempted in pies.	
	Acres.		Percentage of total area of division.				Acres.		Percentage of area attempted.					
	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.	1894.	1893.
Pilibhít	72,784	72,958	74·19	75·35	38,873	54,588	33,911	18,370	46·59	25 17	1,961	1,537	5·17	4·04
Kheri	1,99,573	2,17,373	71·67	78 06	1,94,535	2,04,175	5,038	13,198	2·52	6·07	9,687	10,384	9 32	9·17
Bahraich	1,57,760	1,57,760	74·56	74 56	1,57,750	1,56,920	10	840	0·06	·53	5,079	4,315	6·18	5·25
Gonda	99,079	99,079	100·00	100·00	95,504	97,013	3,575	2,066	3·40	2·08	709	1,214	1·37	2·35
Gorakhpur ...	81,902	80,555	74·14	72·99	81,902	80,426	...	129	..	·16	4,423	5,459	10·37	13·01
Total ...	6,11,098	6,27,725	76·61	78·83	5,68,564	5,93,122	42,534	34,603	6 97	5·51	21,859	22,909	6·86	7·00

No. II.

Year.	By the Forest Establishment when burning fire lines.		Fire which entered the forests by crossing exterior fire lines.		By workmen (when in forest employ) by accidents.		By villagers, travellers, or soldiers by accident.		Fire caused by lightening or fire balloons.		Maliciously lighted inside the forests.		By dakaits.		Causes unknown.		Total.	
	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.	Number.	Area in acres.
1894 ...	2	44	9	4,892	...	...	4	1,134	.	...	29	35,693	...	...	5	771	49	42,534
1893 ...	5	2,376	9	4,691	6	18,530	3	315	...	...	8	3,010	2	668	6	10,013	39	34 603

(3)—*Regulation of grazing and protection from cattle.*

20. The area open to grazing remains the same as last year, although revision of computations increases the percentage of closed forests. About one-half the area of the circle is open to cattle. It has before been noted in this report that the definition of concessions is a question now under the consideration of Government, it having been decided to fix the number of cattle allowed to graze at privileged rates in proportion to the extent of cultivation in privileged villages and then to open one acre of forest land to each head of cattle. This definition of the number of cattle entitled to graze will, when completed, be one of the most progressive movements in forest policy in Oudh ever carried out and will result in the salvation of a considerable area of valuable reserves. The crudeness of the original settlement by a grant of grazing privileges on the basis of the proximity of a village to State reserves has, by the collection of statistics in the Bahraich Division, during the past year, been most fully exposed. In isolated forests with long and irregular boundaries the privileges thus acquired amount to more than the forests can produce; the settlement of professional cattle breeders such as "Gujars" and "Ahirs" in the neighbourhood of the forests is also encouraged by undefined concessions, and the urgent necessity of the proposed definition of privileges is now fully recognised. In one case at least in Charda, it will be necessary, if even one-half of the area of State forests is to be retained for the use of the State, to limit the amount of grazing by the open acreage independently of the area cultivated, but here the landlord has grazing ground at his disposal, and it is moreover evident that if 50 per cent. of the area of reserves is in any special case given up for the exclusive benefit of the local tenantry enough has been done to favour them. It is needless to add more with regard to a question now under consideration, but it is expected that in the next administration report it will be possible to record that the number of cattle entitled to graze in the Circle has been finally fixed; that blocks of forest have been allotted for their use by groups of villages, and that the remaining area, if under tree forest, has been closed to grazing, or, if irreclaimable grass land; has been opened to grazing of outsiders at adequate rates.

21. It is regretted that the attempts in Bhinga to capture wild cattle by kheddahs proved a failure. It has been found impracticable to drive at one or two operations during the year any large number of cattle into the enclosures. Moreover, the tenantry who own the half wild cattle were naturally extremely hostile to the proceedings, and successfully thwarted the attempts made to carry out the work. The capture of these cattle by the method proposed is indeed possible, but the kheddahs must be numerous, they must be available at all seasons, and the sympathies of the tenantry who suffer from the depredations of the cattle must be gradually enlisted in the proceedings. When it is found profitable to capture the cattle, when it is known that no subsequent harm to the animals is contemplated, and when it is

proved that cattle belonging to any tenant who can prove ownership are at once returned to the owner, there can be no doubt that the wild cattle of Bhinga will decrease year by year and finally die out.

(c)—*Improvement of forest growth.*

(1)—*Natural Reproduction.*

22. The sál seeded throughout the Circle; but, except in Gorakhpur, the crop was much below normal, and little of the seed formed matured, being blown from the trees when still unripe by the hurricanes which raged through the forests in May. The asaina seeded most profusedly, in some cases branches being broken off with the weight of the fruit. The production of this species continues to be excellent; in the Chakia forest it threatens in some localities to push out the more valuable sál. There is no doubt that owing to the time of the seedfall, forest fires have more destructive influence on the reproduction of asaina than on that of sál. The former sheds its seed before and the latter after the usual fire season, and this may account for the fact that the asaina is more frequent in wet and clayey soils where the fallen seed would naturally escape being consumed. In fire protected areas where the chances of reproduction are equal, the asaina soon proves that it is not entirely dependent on a damp and stiff soil, which it favours only of necessity, and hence the present marked luxuriance of reproduction of this species.

(2)—*Artificial Reproduction.*

23. There was no extension of cultural operations during the year.

(3)—*Early Thinnings.*

24. No early thinnings were undertaken.

(4)—*Other operations for the improvement of the growing stock.*

25. Climbers were cut over 37,358 acres at a total cost of Rs. 1,965 or ten pies per acre according to the detail below: —

In Pilibhít	...	...	3,412 acres	at a	cost of	4 pies	per acre.
„ Kheri	...	...	4,687	„	„	12	„
„ Bahraich	...	...	11,930	„	„	10	„
„ Gonda	...	...	6,251	„	„	11	„
„ Gorakhpur	...	...	11,078	„	„	11	„

The cost in Gonda was in some localities excessive, being as much as 17 pies per acre.

26. Girdling of useless trees suppressing the young growth was carried out over a small area in Gonda, in the improvement fellings in Kheri and Bahraich, and in the bamboo forests of Motipur.

(5)—*Experiments.*

27. Sample plots for registering the growth of sál were laid out in Kheri and Bahraich in typical forests. The sample plots in Pilibhít were as usual measured up. In Gorakhpur the divisional officer does not report the preparation of similar plots, which is, however, enjoined in the working plan. In Gonda the area under pure sál forest is insignificant and the growth, save in very few localities, is poor.

(d)—*Exploitation of major forest produce.*

28. As explained in last year's report, the fellings in this Circle consist of selection, improvement, coppice, and unregulated fellings, and the detail by divisions is given below :—

(1).—Selection Fellings.

These only occur in Gonda, where 2,132 trees, chiefly of kusamb and dhau, were removed over the whole area of the division. These so-called selection fellings are apparently based on the convenience of purchasers, and recur over favourite localities each year. This is not creditable to the divisional officer, who

has been supplied with a largely increased staff, and he will be directed to draw up a statement locating these fellings in each range for the next five years, when, as noted in paragraph 8, a working plan may be drawn up.

(2)—IMPROVEMENT FELLINGS.

In **Pilibhit** improvement fellings were prescribed in the programme of works over compartment 28 on 728 acres; but only 87 acres were taken up owing to there being no trained subordinate to carry out the work. The trained forester in charge was imprisoned by the Collector under section 61 of the Forest Act, another trained forester has since been deputed to the division, and the divisional officer has been reminded that he is expected to carry out the fellings next year.

In **Kheri** the fellings prescribed by the working plan were continued. Coupé I of 3,256 acres was completed; coupé II of 2,792 acres was marked for felling and partially worked over. The following trees were felled or girdled in the two coupés:—Sal, I class 9,517; II class, 7,593; Assina 1,742 trees, besides trees of the smaller girth classes and of less important species which were removed in the cleanings and weedings. A total of 2,68,572 cubic feet of timber was removed from the coupés. In the Bhira Range improvement fellings were continued over 707 acres, which yielded 3,80,270 c. ft. of railway fuel. The working plan now under compilation for these forests prescribes the fellings of 1895, and it is hoped will shortly issue to regulate the working of this range.

In **Bahraich** in terms of the working plan for Motipur, 3,121 acres were taken up, but owing to delay in marking the coupés the full results of the working is not included in the accounts of the year. Only 68,503 cubic feet were exported.

The fellings in Charda were continued over 112 acres; the outturn amounted to 12,350 cubic feet poles and 1,19,099 cubic feet fuel. Of this, however, 41,762 cubic feet was balance from fellings of last year. The divisional officer attributes the small area worked over to the incompetency of the ranger, and this was apparently the case. In Bhinga the fellings prescribed in the working plan were marked and offered to the public in the three Working Circles; but only two coupés of 919 and 682 acres in Gubbapur and Gulra were taken up. The coupé in Sonpathri will therefore be carried on to credit of next year. There was a delay in marking these coupés, and not half the produce was exported by the close of the year; the actual outturn amounted to 71,899 cubic feet. It is essential in Bahraich, and indeed in all divisions, that markings should be completed during the hot weather before the fellings are commenced. By this means alone can intending purchasers estimate the quantity of timber offered for sale.

In **Gonda** no improvement fellings are prescribed.

In **Gorakhpur**—661 acres in Working Circle III, and 1,196 acres in Working Circle V, should have been taken up; but the working plan did not reach the divisional officer till February 1894, and was not formally sanctioned till 31st May of that year, although coming into force from 1st July 1893: so that arrangements could not be made to carry out all the prescriptions. The coupés of 1894 have been marked and will be carried to credit, and if possible sold with those of 1895.

(3)—COPPICE WITH STANDARD FELLINGS.

In **Gonda** fellings proceeded in the Nawábganj forests in terms of the working plan; 459 acres should have been worked over, but only 297 acres were completed at the close of the year; 162 acres were, however, worked over before the close of the season. The outturn amounted to 176,468 cubic feet. The divisional officer should have completed this work in the winter months, and his arrangements for so doing must be better in future.

In **Gorakhpur** 275 acres were taken in hand in Working Circle I; the outturn was 69,129 c. ft.; 1,018 acres were worked in Working Circle II (*a*) giving an outturn of 7,84,299 cubic feet, and 173 acres in Working Circle II (*b*) yielded 65,055 cubic feet. The working plan estimates of yield are fair as regards fuel, but poor as regards timber. They compare with actuals as follows:—

Working Circle.	Timber per acre. Cubic feet.		Fuel per acre. Cubic feet.	
	Estimate.	Actuals.	Estimate.	Actuals.
Working Circle I	72	31	218	220
" " IIa	240	7	760	768
" " II	300	71	600	300

but several years working must pass before the estimates can be finally accepted or condemned.

(4)—UNREGULATED FELLINGS.

In Pilibhit, as in all other divisions, these fellings consisted of clearances for fire lines and the cutting firewood for right holders or privileged persons. Besides this the removals of dry timber regulated by working plans or executive order also come under this head. Only gross results can be given which will be found in form No. (57) The areas affected are the whole open and varying extents of the closed forests.

(e)—*Extraction and transport of Major Forest Produce by land and water.*

29. The extraction of Major Forest Produce is as regards timber now carried out by purchasers, save in Pilibhít, where Government agency has up till now been employed. Orders have issued altering the system in that division. As regards fuel, Government agency is still employed in fellings and delivery, but there are signs to show that in the near future fuel work will also be carried out by contractors and purchasers. In the Kheri Division fuel contracts have already been given to the Railway Company and to a contractor, departmental interference being confined to marking the coupés and to supervision. The transport of Major Forest Produce is provided for by the excellent system of roads in the Circle and by the extending system of light railways in its vicinity. Water carriage is losing favour, the more so as the temporary railway bridges are practically blocking the water ways for large or small boats.

(f)—EXPLOITATION OF MINOR FOREST PRODUCE.

(1)—*Extraction of Fodder.*

30. There is practically no sale of fodder in the Circle. Certain talúkdárs either pay small amounts for getting leaf fodder for elephants from Government forests or receive it free, but there is no extraction for sale.

(2)—*Grazing.*

31. The statistics for the year are given in form No. 55. The area open in the Circle amounts to 570 square miles and in this grazed the following cattle :—

	Free.	At privileged rates.	At full rates.
Cows...	23,700	219,669	60,474
Buffaloes	4,592	40,126	12,766
Miscellaneous	929	25,856	1,907
Total ...	29,221	285,651	75,147

The total revenue being Rs. 50,824.

32. The following statement shows the cattle grazed by Divisions :—

Division.	Head of Cattle.	Acres.	Acreage per Head.
Pilibhít	27,172	30,720	1·13
Kheri	122,400	129,280	1·05
Bahraich	166,386	129,920	·78
Gonda	41,552	46,997	1·13
Gorakhpur...	32,509	28,160	·86
Total ...	390,019	365,077	·93

(3)—*Miscellaneous Produce.*

33. So far as is possible, miscellaneous produce is leased out by area. In some cases bamboos and grass have to be worked departmentally.

In Pilibhit leases were given for all minor forest produce and for thatching and other grasses. Baib realized Rs. 1,585.

In Kheri the same arrangements were made. Baib realized Rs. 3,727.

In Bahraich cases for all produce were given. Baib realized Rs. 3,910.

In Gonda all miscellaneous produce except baib and lime was leased out. These latter products were worked by Government agency and with no favourable result. The divisional officer delayed the cutting of new baib until he had disposed of the old stock This was not till December, when the season for cutting had passed, and meanwhile the sold stock had so deteriorated that it was nearly useless. The new crop should have been reaped in September and the old stock should have been disposed of as soon as cut.

Rs. 2,097 was realized on sales of baib.

In Gorakhpur, Rs. 17,376 was obtained from leases of thatching grass. There is no baib.

34. The area under bamboos in the Circle is very limited ; the bamboos are treated on a two years' rotation departmentally, until a market is assured for the outturn.

CHAPTER III.

GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

I.—Departmental Operations.

35. The following statements will show the outturn of Major and Minor Forest Produce by Divisions :—

(a)—*Timber and Fuel.*

Fellings.	Pilibhít.	Kheri.	Bahraich.	Gonda.	Gorakhpur.	Total.	Total, 1892-93.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Selection ...	...	1,018	...	2,258	...	3,276	22,331
Coppice ...	...	...	...	1,76,468	8,49,954	10,26,422	3,08,794
Improvement ...	5,625	3,81,021	1,31,349	...	...	5,17,995	25,41,606
Unregulated ...	48,549	1,37,308	465	84,724	1,29,088	4,00,134	9,96,141
Total ...	54,174	5,19,347	1,31,814	2,63,450	9,79,042	19,47,827	38,68,872

The differences are due, in Kheri, Bahraich, and Gonda to less fuel operations; in Gorakhpur to less unregulated fellings, fewer fire lines having been cut.

(b)—*Other Minor Produce.*

Description.	Pilibhít.	Kheri.	Bahraich.	Gonda.	Gorakhpur.	Total.	Corresponding figures for 1892-93.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Other minor produce ...	...	...	...	...	...	...	
Sales	20	17	5,662	2,009	10	15,163	
Outstandings realized ...	...	2,659	4,786	...	...	...	
Total ...	20	2,676	10,448	2,009	10	15,163	14,802

II.—Removal of Produce by Purchasers.

The following statement will show the outturn of produce by divisions :—

(a)—*Timber and Fuel.*

Fellings.	Pilibhít.	Kheri.	Bahraich.	Gonda.	Gorakhpur.	Total.	Corresponding figures for 1892-93.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Selection ...	...	...	...	54,080	...	54,080	56,365
Coppice ...	...	...	...	...	69,129	69,129	1,80,200
Improvement ...	...	2,70,543	1,40,402	...	...	4,10,945	1,43,228
Unregulated ...	26,965	70,744	1,75,012	1,76,427	1,85,716	6,34,864	10,27,396
Total ...	26,965	3,41,287	3,15,414	2,30,507	2,54,845	11,69,018	14,07,089

The decrease in coppice fellings is due to less area being worked over ; the increase in improvement fellings is due to extension of work and the system being better

known, the decrease in unregulated fellings to the system of clear cut fire lines being nearly complete.

(b)—Other Minor Produce.

Description.	Pilibhít.	Kheri.	Bahraich.	Gonda.	Gorakhpur.	Total.	Corresponding figures for 1892-93.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Grazing ...	722	15,410	21,825	7,625	5,242	50,824	58,796
Other minor produce ...	2,791	6,022	9,231	8,299	18,334	44,892	32,089
Outstandings ...	22	193	...	...	...	...	...
Total ...	3,535	21,625	31,056	15,924	23,576	95,716	90,885

The decrease under grazing is due to outstandings realized in 1892-93, and to closure of sál forests in Gorakhpur. The increase under other minor produce is due to direct sales extending.

III.—Free grants under Executive orders and removals by right holders.

The following statements show details by divisions :—

(a)—Timber and Fuel.

Fellings.	Pilibhít.	Kheri.	Bahraich.	Gonda.	Gorakhpur.	Total.	Corresponding figures for 1892-93.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Unregulated	3,18,569	3,52,745	5,31,398	54,161	...	12,56,873	17,46,231

The decrease is due to less fuel removals in Gonda and Bahraich. There was a slight excess in Kheri. It is only in Pilibhít that rights exist; in other divisions the grants are by executive order of Government.

(b)—Other Minor Produce.

Description.	Pilibhít.	Kheri.	Bahraich.	Gonda.	Gorakhpur.	Total.	Corresponding figures for 1892-93.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.
Grazing	5,688	9,502	13,098	2,027	...	30,315	25,362
Other minor produce ...	743	9,303	2 019	448	...	12,513	13,442
Total ...	6,431	18,805	15,117	2,475	...	42,828	38,804

The differences are slight.

IV.—Summary of produce removed from the forests.

The following statement summarizes the above information :—

Divisions.	Timber and fuel.		Other produce.		Differences.			
					Timber and fuel.		Other produce.	
	1892-93.	1893-94.	1892-93.	1893-94.	+	—	+	—
	C. ft.	C. ft.	Rs.	Rs.	C. ft.	C. ft.	Rs.	Rs.
Pilibhít ...	5,97,262	3,99,708	11,635	9,986	...	1,97,554	...	1,649
Kheri ...	14,13,472	12,13,379	42,495	43,106	...	2,00,093	611	...
Bahraich ...	14,36,527	9,78,626	54.277	56,621	...	4,57,901	2,344	...
Gonda ...	6,64,760	5,48,118	14,004	20,408	...	1,16,642	6,404	...
Gorakhpur ...	29,10,171	12,33,887	22,080	23,586	...	16,76,284	1,506	...
Total ...	70,22,192	43,73,718	1,44,491	1,53,707	...	26,48,474	10,865	1,649

There is a decrease of 26,56,814 c.ft., in the outturn of timber and fuel, and for 16,80,000 c.ft., of this total, Gorakhpur is responsible, the felling areas having been reduced by the prescriptions of the working plan. The remaining deficit is apportioned amongst divisions as shown in the preceding statements. The differences under outturn of minor forest produce are slight.

36. The statements show c.ft., a very marked decrease in outturn by departmental Agency ; (2) an increase in removals by purchasers from improvement fellings which are gradually being extended over large areas, (3) a decrease in unregulated fellings which are dependent to a great extent on the progress of protective works and (4) a falling off in free grants owing chiefly to less fuel being removed.

CHAPTER IV.

FINANCIAL RESULTS.

37. The statements below gives the results for the last six financial years and the last two forest years :—

Years.	Square miles.	Gross revenue.	Expenditure.			Net surplus.	Revenue and expenditure per square mile.					Percentage of gross revenue and expenditure		
			Conservancy and works.	Establishment.	Total.		Gross revenue.	Conservancy and works.	Establishment.	Total.	Surplus.	Conservancy and works.	Establishment.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Average of Financial years to 1892-93.	1,233	6,53,343	2,62,813	1,07,832	3,70,645	2,82,698	529	213	87	300	229	42	16	58
1892-93.-Forest year.	1,244	7,50,226	2,58,526	1,17,119	3,75,645	3,74,581	603	207	94	301	302	34	15	49
1893-94.-Forest year.	1,243	6,76,417	2,11,026	1,26,281	3,37,307	3,39,110	544	169	101	270	272	31	19	50

It will be observed that the gross revenue is Rs. 23,600 more than the average of the last six Financial years, and about Rs. 74,000 less than in the last Forest year. The expenditure is Rs. 33,000 less than the average of six years, and Rs. 38,000 less than of the preceding Forest year. Thus the net surplus is Rs. 57,000 better than the average, but Rs. 35,000 less than in the last Forest year.

38. The following statement will show the revenue and expenditure by Divisions for the last two Forest years:—

Division.	Receipts.		Charges.		Surplus.		Deficit.		Percentage of charges on receipts.	
	1839-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.
Direction...	106	...	30,153	22,451	...	...	30,047	22,451	...	...
Pilibhit ...	6,348	9,187	19,444	20,642	.	.	13,096	11,455	306	224
Kheri ...	3,49,663	4,19,791	97,510	1,40 851	2,52,153	2,78,940	...	...	27	33
Bahraich ...	1,34,326	1,55,906	66,612	57,998	67,714	97,908	...	...	49	37
Gonda ...	53,200	51,894	33,846	36,612	19,354	15,282	...	...	63	70
Gorakhpur,	1,32,774	1,13,448	89,742	97,091	43,032	16,357	...	...	67	84
Total ...	6,76,417	7,50,226	3,37,307	3,75,645	3,39,110	3,74,581	...	...	50	49

It will be seen that all divisions except **Gonda** and **Gorakhpur** show a decrease in gross receipts. **Pilibhit** because the improvement fellings ordered were not carried out, **Kheri** on account of less sales from stock and **Bahraich** as already noted because of delay in export from fellings. **Gonda** shows an increase referable to increased sales under A II. and **Gorakhpur**, for the reason that large sales of timber on fire lines were made together with large sales of stock. In expenditure there is nothing abnormal. Departmental works in **Kheri** having ceased, available funds were thus freed and diverted to improvement and protection, notably, in **Gorakhpur**, which had been much neglected.

39. The agency of extraction by main heads is given in the statements below.—

I.—RECEIPTS.

Forest year.	I. Timber and other produce removed from the forests by Government agency.	II. Timber and other produce removed from the forests by purchasers.	III. Confiscated drift and waif timber.	IV. Revenue from forest not managed by Government.	V. Miscellaneous receipts.	Total.
1892-93	4,10,519	3,11,685	9,738	...	18,284	7,50,226
1893-94	3,20,002	3,30,861	11,239	...	14,315	6,76,417
Difference	90,517	+ 19,176	+ 1,501	...	— 3,969	-73,809

II.—EXPENDITURE.

A.—Conservancy and works.

Year.	I. Timber and other produce removed from forests by Government agency.	II. Timber and other produce removed from forests by consumers or purchasers.	III. Confiscated drift and waif wood.	IV. Revenue from forests not managed by Government.	V. Rent of leased forests and payments to shareholders.	VI. Live stock, stores, tools and plant.	VII. Communications and buildings.	VIII. Demarcation improvement and extension of forests.	IX. Miscellaneous.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.
1892-93	1,45,879	8,941	5,134	...	...	9,039	31,147	49,784	8,602	2,58,526
1893-94	81,002	11,491	5,038	...	...	12,251	38,739	53,397	9,108	2,11,026
Difference,	-64,877	+ 2,550	—96	...	...	+ 3,212	+ 7,592	+ 3,613	+506	—47,500

III.—EXPENDITURE.

B.—Establishment.

Year.	I. Salaries.	II. Travelling allowances.	III. Contingencies.	Total.
	Rs.	Rs.	Rs.	Rs.
1892-93	95,736	13,618	7,765	1,17,119
1893-94	1,03,324	14,675	8,282	1,26,281
Difference	+7,588	+1,057	+517	+9,162

The falling off in revenue under I. has been explained as owing to restriction of department timber works and reduced stock sales and this is accompanied by a corresponding fall in expenditure under the same head. Fifty per cent. of the gross revenue is now derived from direct sales, whilst the corresponding expenditure is very small.

40. The value of stock and outstandings at the commencement and close of the year is compared below—

I.

	Rs.
Value of stock—	
On 1st July 1893	6,76,693
„ 30th June 1894	5,59,530
Balance against the year ...	1,17,163

II.

Value of outstandings—	By contractors.	On account of revenue.
	Rs.	Rs.
On 1st July 1893	48,420	42,534
„ 30th June 1894	40,199	71,525
Balance for the year	+ 8,221	+28,991

The value of transactions of the year are as follows :—

	1892-93.	1893-94.
	Rs.	Rs.
Cash surplus	3,74,581	3,39,110
Decrease.		
In value of stock	2,30,664	1,17,163
Outstandings due	+,90,954	+1,11,724
Total Rs. ...	2,34,871	3,33,671

Three-fourths of the revenue outstandings are due from public departments or companies.

CHAPTER V.

FOREST ADMINISTRATION.

I.—ESTABLISHMENT.

41. The charge of the Circle and of the various divisions was held by the officers as detailed in the statement annexed—

Division ... Mr. S Eardley-Wilmot, from 1st July 1893 to 30th June 1894.
„ Keshava Nand in charge of working plan from 19th October 1893 to 30th June 1894.

Pilibhít ... Mr. Keshava Nand, from 1st July 1893 to 18th October 1893.
„ B. B. Osmaston, from 19th October 1893 to 1st March 1894.
„ J. M. Blanchfield, from 2nd March 1894 to 30th June 1894.

Kheri ... „ M. Hill, from 1st July 1893 to 30th June 1894.
„ J. C. Tulloch, attached, from 1st July 1893 to 31st August 1894.
„ C. C. Abbey, attached, from 25th November 1893 to 19th May 1894.

Bahraich ... „ B. A. Rebsch, from 1st July 1893 to 19th July 1893.
„ B. B. Osmaston, from 20th July 1893 to 18th October 1893.
„ B. A. Rebsch, from 19th October 1893 to 30th June 1894.
„ Har Swarup attached, from 21st September 1893 to 12th April 1894.

Gonda ... „ Karuna Nidhan Mukerjee, from 1st July 1893 to 31st May 1894.
„ Har Swarup, from 1st June 1894 to 30th June 1894.

Gorakhpur ... „ Mercer, from 1st July 1893 to 6th September 1893.
„ Tulloch, from 7th September 1893 to 30th June 1894
„ Har Swarup, attached, from 20th April 1894 to 24th May 1894.

42. At the close of the year there were in the Circle nine rangers of whom four held rangers' certificates and one a forester's certificate. Two trained rangers joined during the year, of whom one had been a private student at the Imperial Forest School. There are nine foresters in the Circle of whom two hold certificates. Two trained foresters joined during the year, both were private students from Dehra. The Circle now only supports one paid student at the Forest School for self supporting rangers and foresters are obtainable as a rule after the yearly examinations in March.

43. Divisional officers report well of their subordinates: Rangers Parmeshri Din and Raghbans Sahai being specially mentioned for excellent work. One forester was sentenced under section 61 of the Forest Act by the Collector of Pilibhít, one forester was dismissed and one reduced. Dismissals of forest guards were not frequent: the establishment has been much improved and strengthened during the past three years.

There are, however, still some individuals who are unable or unwilling to carry out the work which, through improved management and treatment of the forests, devolves on them.

44. Good work was done by the controlling staff throughout the year in all divisions, except Gonda, where there was regrettable laxity, both in inspections and office work. The deplorable accident resulting in the death of Mr. C. C. Abbey, Assistant Conservator, attached to the Kheri Division, removed from the Circle an officer whose loss was much felt both by his friends, and in the Department where he had already done good work and gave much promise in his profession.

(2).—*General administration.*

45. The questions referring to administration have been adverted to under the various sub-heads of this report. It will have been seen that the systematic working of the forests is being arranged for by plans; that survey and re-demarcation is proceeding; that the definition of concessions is progressing; that re-alignment of complicated boundaries is nearly completed; and that the introduction of the system of direct sales, so necessary both in the disposal of inferior produce from the improvement fellings, and in freeing the controlling staff to carry out their duties in protection and improvement, has been accomplished.

46. The Rohilkhand and Kumaun Railway opened an extension of six miles from Dudua to the location of the improvement fellings at Sunaripur, and this was an immense assistance in the export of produce. The alignment of the extension of the Bengal and North-Western Railway from Nanpara to Katenia has been completed, and estimates have been drawn up.

47. The extension of the same Railway from Gonda to Balrámpur is under construction. It is satisfactory to note that with the extension of Railways and the progress of civilization, which both result in increased demands in the State reserves, good progress has been made both in the protection of the forests and in determining the demands which have to be met and the yield which can legitimately be produced.

(3).—*General Remarks.*

48. The season was extremely unhealthy; most severe fever prevailed in the autumn months, and this was followed by cholera and fever in the spring and summer. Hardly a single member of the staff escaped without more or less enervating attacks of fever during the year. Labour was in consequence of unusual sickness, somewhat scarce, and this affected both the revenue and the progress of works of improvement.

NAINI TAL :
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

SCHOOL CIRCLE.

No. 70.

FROM

J. S. GAMBLE, ESQ.,

CONSERVATOR OF FORESTS, SCHOOL CIRCLE,

N.-W. PROVINCES AND OUDH,

TO

THE SECY. TO GOVERNMENT, N.-W. P. AND OUDH,

FOREST DEPARTMENT.

Dated Dehra Dún, 17th September 1894.

SIR,

I HAVE the honor to submit the Annual Forest Administration Report of the School Circle for the year 1893-94.

2. The reports of Divisional Officers were punctually submitted, and the financial returns from the Comptroller-General were received in my office on the 4th September 1894.

I have the honor to be,

SIR,

Your most obedient servant,

J. S. GAMBLE,

Conservator of Forests, School Circle,
N.-W. Provinces and Oudh.

SCHOOL CIRCLE REPORT, 1893-94.

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ANNUAL PROGRESS REPORT OF ADMINISTRATION OF THE SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH, FOR THE FOREST YEAR 1893-94, ENDING ON 30TH JUNE 1894.

CHAPTER I.

Extension and Constitution of State Forests.

(i) Alteration of Area.

1. The area of the reserved forests of the Circle has undergone but little change during the year. The only real addition is that of 1,488 acres in the Malkot iláka of the Dehra Dún district, which were finally notified as reserved forest after settlement. In the leased forests of Jaunsár Division the areas have undergone some change in the way of rectification. The new maps of the Tehri-Garhwál forests have made it possible to show the correct areas of the leased forests instead of the merely estimated figures shown in previous years' reports, and the correct areas are now given as kindly supplied by the Superintendent of Forest Surveys.

2. The forests at the commencement and close of the year comprised—

Class of Forest.	Area on 1st July 1893.		Area on 30th June 1894.	
	Acres.	Square miles.	Acres.	Square miles.
Reserved	460,796	720	462,284	722
Leased	49,740	78	54,198	85
Unclassed	8,928	14	8,928	14
Total ...	519,464	812	525,410	821

The question of the renotification, with more accurate boundary descriptions, of the forests of the Circle, has occupied the Conservator's attention during the year. For some years the areas shown in form No. 49 do not agree with those given in the notifications in which the forests were originally gazetted. An attempt has therefore been made, successfully so far as Dehra Dún and Saháranpur Divisions are concerned, to give the areas under the names by which they were notified, so that when rectifications have to be made, they can be easily recorded in the form. The forests of Dehra Dún were originally notified in Notification No. 184, of 27th February 1879, and those of Saháranpur Division in Notifications 748A. of 3rd December 1878, and 181, of 27th February 1879. The drafts of the fresh notifications are now nearly ready; they only await completion of the enquiries regarding some boundary changes and the settlement of some enclosed cultivated lands. The attempt, however, to rectify the lists of the Jaunsár forests and bring them into accord with the original notification (No. 408A, of 31st August 1878) has failed, so that the form has been prepared in the same way and with the same names as last year. Much has been done during the year towards rectification. The boundaries of all the blocks of the Deoban Range have been examined and a draft description prepared. So far as possible it has been carefully noted what areas have been taken in or excluded since the first notification came out; the "chaks" or enclosures have been all surveyed and mapped, and the Conservator hopes in a short time to be able to make a full report so far as that range is concerned. Some work has also been done in the Bawar and Deogarh Ranges, but there are many difficult questions which will require settlement still to be taken in hand. The rectification of the areas of the "leased forests" will necessitate some small rectifications of the working plan which will be prepared in due course.

(ii) Forest-Settlements.

3. The eight small pieces of forest in Malkot ilaka referred to in paragraph 6 of last year's report were gazetted as reserved during the year. The question of the reservation of the 300 acres of the Uparla Song block was still under enquiry by the Forest Settlement Officer. After he had completed the settlement of the Malkot areas as Forest Settlement Officer, the Superintendent of the Dún recommended, and the Government granted by notification in the Gazette, rules conferring concessions on the inhabitants of neighbouring villages.

4. Form No. 47 gives the progress of forest settlements and shows 720 square miles as already settled, two square miles settled during the year at a cost of Rs. 4, and ½ acre under settlement. As already noted in paragraph 2, the settlement of enclosures in all divisions is being rapidly put on a proper footing, and it is hoped that this very troublesome work may soon be brought to a close.

(iii) Demarcation.

5. According to form No. 48, the total length of boundaries at the close of the year in the circle amounted to 978 miles, of which 665 miles have to be maintained by artificial marks; 150 miles have been returned as undemarcated. The length of boundaries not demarcated in the Jaunsár Division alone amounted to over 148 miles. This refers to the absence of demarcation by boundary paths or ditches cut from pillar to pillar and not to the absence of pillars, which are all existing. The cost on 34 miles of new line and 255 miles of repairs amounted to Rs. 2,794.

In the Dehra Dun Division, boundary revision, under the arrangements of Mr. Grenfell's Survey and Report, is going on satisfactorily. All boundaries are now marked, but the lines are being improved, ditches being made from pillar to pillar and where necessary, as on the outer Siwalik boundary, roads constructed. About 2¾ miles of boundary were planted successfully with aloes at a cost of about Rs. 15 per mile. These will make a very effectual fence and one which will be cheap to maintain.

In the Saharanpur Division, 112 pillars have been renumbered in proper order. 4¼ miles were deeply ditched at a cost of about Rs. 29 per mile, and 2 miles planted with aloes for about Rs. 20 per mile, the drier country accounting for the heavier cost than in the Dún.

In the Jaunsar Division, the whole of the boundaries of the Deoban and parts of Deogarh and Báwar Ranges were carefully inspected, and the boundaries of many enclosures were properly cut. The marking on the ground of boundary lines which hitherto have only been recognised by occasional pillars is a work which should have been done long ago, and which will now be expedited. It is hoped that many cases of dispute will not arise, but it is to be expected that some cases of encroachment will be found

(iv) Surveys.

6. Form No. 49 shows the progress of Forest Survey work up to date. The whole of the 277 square miles of reserves in the Dehra Dún Division, except the two square miles added during the year in Malkot, and of 295 square miles in the Saháranpur Division, have been surveyed by the Forest Survey Branch, and maps on the 4″ = 1 mile scale are available. About 150 square miles of the reserves in the Jaunsár Division and 85 square miles of the Tehri-Garhwál, Raiengarh, and Dadi Leased Forests have also been similarly surveyed, though the map of a portion of the latter has not yet been published.

In the Dehra Dun Division, the range maps have been completed and are being printed by the Superintendent of Forest Surveys.

In the Saharanpur Division, the Tira coppice, the principal compartment lines of which were laid down during the previous year, was surveyed, as also the boundaries of the Kasumri Temple land, the Pathri Shrine, and the Khaironwala disputed boundary.

In the Jaunsar Division, a temporary Surveyor was entertained for a period of six months upon the survey of the main and chak boundaries and preparation of maps. Six blocks were surveyed and mapped on the scale of 8″ = 1 mile in the Deogarh Range, one in the Bawar Range, and 64 chaks in the Deoban Range, completing the work as far as the Deoban Range is concerned. The total length of chak boundaries surveyed during the year amounted to 32¼ miles at a cost of Rs. 78. The work has been well done, and in order that it may be permanently recorded the Conservator is preparing for his office and for that of the Jaunsár Divisional Officer an atlas of the chak maps plotted on a suitable (32 or 16 inches per mile) scale, so that there can in future be no mistake made.

CHAPTER II.

Management of State Forests.

I.—Regulation of Management.

(a) Working-plans and their control.

(1) *Existing plans and their control.*

7.—There are five working plans so far in force in the School Circle; but one of them is only so in regard to some quite minor arrangements. The following notes give the state of affairs as regards each.

(1) THE DEHRA DÚN WORKING PLAN.

The provisions of this working plan arrange (1) for *improvement fellings* in coupes in all the main working circles (2) for *cutting back* after fellings in the coupes of previous years, (3) for *climber cutting* before fellings, (4) for *coppice coupes* in the two coppice working circles, (5) for *bamboo exploitation*, (6) for certain fellings and cleanings among sissu, and finally for works of improvement.

The work prescribed for the year is best seen from the following schedule which gives the chief operations of felling, &c., prescribed to be carried out :—

Working circles.	Climber cutting. Compartment.	Tree marking. Compartment.	Fellings. Compartment.	Fellings. Area.	Second year. Compartment.	Cutting back. Compartment.
				Acres.		
Jumna	8	7	6	1,200	5	4
Malhan	11	10	9	800	8	7
Ramgarh	13	12	11	500	10	9
Nagsidh	8	7	6	500	5	4
Thano	10	9	8	200	7	6
Tirsal	8	7	6	500	5	4
Ganges	8	7	6	1,000	5	4
Lachiwala coppice	...	...	4,34	32	...	...
Suswa coppice	...	...	2	77	...	...

The coupes of the year were as usual sold by auction, and the works of climber cutting, tree marking, and cutting back operations were almost fully completed. The bamboo forests were worked according to the revised scheme sanctioned by Government, but the outturn of the year could not be sold. A new plan supplementary to the original plan for the division was sanctioned for the Suswa coppice in the Ganges Range, area 1,186 acres.

On an area of 4,750 acres above the Hatiwala line climbers were prescribed to be cut under the scheme sanctioned by Government in G. O. No. $\frac{1054F.}{682}$, dated 13th December 1892. The area done was, as prescribed, 4,750 acres, and the work was found to be very heavy.

(2) THE DEOBAN WORKING PLAN.

The provisions of this intricate working plan were much better attended to than usual, but there is still room for improvement. The following remarks indicate the work of the different circles. The minor works will not be detailed, but referred to in the chapter relating to reproduction, &c.

(i) *Karamba Working Circle.*

The working plan provides for felling 80 green trees yearly. This was done in Karamba block, compartment No. 3, but under Government order the Karamba block will now be closed for five years, so as to recover from the heavy excess fellings (401 trees) of former years. Provision is also made for improvement thinnings in Konain block instead, and this was done in compartment No. 4, the yield being 21,695 cubic feet. Oaks and firs were girdled over deodár on 200 acres in Karamba 4.

(ii) *Lokadi Working Circle.*

The provision was for 45,000 cubic feet green and 5,000 cubic feet dry firewood to be cut in Kopti, and 41,950 cubic feet green and 7,185 cubic feet dry were cut accordingly. In Inari block 33 Ban oak (*Quercus incana*) were sold for charcoal making. In Bodyar Block 14 suppressed deodar trees were cut for the Sappers and Miners.

(iii) *Deoban Working Circle.*

This circle supplies most of the Chakráta Commissariat fuel, and the provision of the working plan is up to 40,000 cubic feet stacked of fir and 30,000 of oak. The cuttings were —

	C. ft. Oak.	C. ft. Fir.
Kanjatra, 5	1,850	9,560
Mohna, 10,11	11,200	8,180
Hajawa	...	9,930
	13,050	17,740
	30,790	

Also 9,930 cubic feet dry wood were cut in Hajawa. The less fuel cut was done advisedly, as there is some reason to think that the fixed yield is too great for forests at such an elevation ; and the Conservator is anxious to utilise Kálsi wood and dry wood from elsewhere instead of the Deoban trees.

(iv) *Karsku Coppice Working Circle.*

As provided, compartment No. 5 was coppiced and gave 9,380 cubic feet of fuel.

(v) *Raura Working Circle.*

There is a considerable untouched available balance in this circle owing to short demand in previous years. The provision is that 2,500 cubic feet may be cut, but only 25 1st class trees with unsound 2nd and 3rd class. The amount cut was 2,700 cubic feet.

(vi) *Ban Coppice Working Circle.*

Owing to the sub-compartments not having been properly formed at the time the working plan was made, the arrangements in this working circle are not quite as laid down in the working plan, and a revision will soon be proposed. Sub-compartment No. 16 was coppiced and gave 7,810 cubic feet oak and 2,800 cubic feet kokat wood; also part of compartment 1 gave 750 cubic feet oak and 315 cubic feet kokat. It was mostly sold to the Brewery.

(vii) *Bhujkoti Working Circle.*

The provision is for selection fellings in Siari compartments 3, 4 and Gutugadh 2 to provide fir timber for Chakráta depôt. Compartment 4 was gone over and gave 6 955 cubic ft. dry fir fuel, while compartment 3 gave 1,536 pieces fir scantling. 24 dry deodár were also sawn up.

(viii) *Pandawa Working Circle.*

Under Government sanction the provision that this circle should be worked for lime burning was abrogated as there was no demand for the purpose. The balance available was 19,723 cubic ft. on 1st July 1893, and during the year 6,145 cubic ft. of firewood were cut for Chakráta supply.

(ix) *Matkangra Working Circle.*

The working plan provides for cutting, under selection fellings, up to 4,000 cubic ft. of oak and some unsound trees. The outturn was rather in excess of working plan, being 5,405 cubic ft. oak and 740 cubic ft. of other wood.

(x) *Cantonment Working Circle.*

The arrangements of the working plan for this circle cannot be carried out, because the Cantonment authorities have not yet settled whether the additional blocks are to be managed by the Forest Department or not. The Cantonment Magistrate was long ago addressed on the subject with proposals for working the Lurli, Siutoli, and Forest Garden Blocks, but he has not replied. In the meantime a plan made by Mr. Hearle, when Officiating Divisional Officer, is being carried out, and under it were cut 71 trees of oak and other kinds, sold standing. It is hoped that the Cantonment authorities will soon settle what they want, for otherwise they will lose money. A sum of Rs. 291-9-6 was handed over to them during the year as surplus revenue.

(xi) *Kálsi Coppice Working Circle.*

Owing to absence of demand the fellings are much behind the working plan, but we are now beginning to pick up and to dispose of the material cut to the Chakráta Cantonment. It is somewhat expensive to cart, but it relieves the upper hill forests, gives good fuel, and is a most useful operation for the forest improvement. Parts of compartments 6 and 5 were coppiced, and 56,665 cubic feet of fuel obtained.

The other working circles are of very slight importance.

(3) THE MUNDALI WORKING PLAN.

The remainder of the dry wood in Tutwagadh was sawn up and 3,592 metre gauge sleepers were carried to Deikhera for floating. This completes work in this Circle, so that the provisions of the working plan are now reduced merely to planting and girdling works. In the latter, the provisions of the working plan for the girdling of 150 acres in compartments 18 and 19 were carried out. Planting works were continued in compartments 9 and 10 so far as plants were available.

(4) THE CHIR FORESTS WORKING PLAN.

(i) *Dharagadh-Riknargadh Working Circle.*

The revised scheme prescribed fellings in compartment 2 of the Kerogadh Block, 115 acres, and this was carried out, one coupe being worked departmentally and two sold standing to purchasers.

(ii) *Deogarh Working Circle.*

The compartment prescribed for the year was No. 1 of Kathang, 105 acres, and this was worked, 802 chír trees having been sold standing.

(iii) *Chatra Working Circle.*

Compartment 3 in Kunigadh Block, 169 acres, prescribed for the year was worked, 532 chír trees being sold, as well as 525 chír trees in compartment 2 which remained over from the previous year. Besides these, 260 trees in compartment 3 were cut up departmentally, giving 14,995 karis.

Other works in all circles were carried out, including demarcation both of main lines and of "chaks," fire protection, and the sowing of 2 acres in Majog Block with chír.

(5) THE TEHRI-GARHWAL WORKING PLAN.

Under the working plan provisions, the compartments prescribed for the year were Dhikuri 2 and 3, 2,000 trees. But the compartments for 1892-93, Bamsu and Dhikuri 1, have not yet been worked, and there were still 743 trees available from Partil, Temple, Dopta, and Katatach. The fellings done were—

	Trees.
Partil	2
Temple	42
Dopta	147
Katatach	44
Bamsu, Dhikuri 1	1,325
	1,560

These were cut up into metre gauge sleepers for the Rájputána-Malwa Railway, and broad gauge sleeper sold to the North-Western Railway.

In the reserve areas 600 trees were sold to purchasers, and under special sanction of Government dry timber was sold from the Noranu forest. The Bamsu sledge road was nearly completed during the year; and roads, bridges, and buildings repaired. The 790 acres girdling prescribed to be done in the Deotalgadh was carried out, and 22 acres were planted with deodár.

(2) *New Working Plans.*

8. *Dehra Dún Division.*—A working plan of the newly reserved forests in Malkot was drawn up during the year by Mr. N. Hearlé, Deputy Conservator, with a view to regulating the working of the Somla forests, as also the supply of firewood to lime burners. But owing to the press of other work and with the view to revise a portion of the plan, the Conservator has not yet submitted it for the sanction of Government.

9. *Sahárunpur Division.*—The collection of materials for the compilation of a working plan for the division was continued, the description of compartments having been practically completed. The schemes for the cutting and clearing of bamboos and for the working of the Mohand and other coppices which will be embodied in the general working plan for the division, and which were approved by the Conservator, were adhered to except that for want of funds the cutting of bamboos in the Sukh rau block had to be leased to a contractor, instead of being done departmentally.

10. *Collection of statistics.*—In accordance with the opinion set forth in paragraph 27 of the Central Circle Report for last year, the results of measurements of sample plots will be dealt with in this chapter.

In the Dehra Dun Division there are sample plots in all the working circles for the observation of sal. In only two of these are there more than two years, observations to record, but it will be useful to give these. The following table gives the results :—

	Jumna.	Malhan.	Ramgarh.	Nagsidh.	Thano.	Tirsal.	Ganges.
Area of sample plot acres.	·99	1·01	·89	1·4	1·02	·86	1
Number of trees: Sal ...	91	114	167	95	201	206	72
Number of trees: Others	1	8	...	155	7	2	...
First measurement made	1st December 1892.	1st December 1892.	1st December 1891.	*1st December 1891.	1st December 1892.	1st December 1892.	1st December 1892.
Last " "	1st December 1893.	1st December 1893.	1st December 1893.	1st December 1893.	1st December 1893.	1st December 1893.	1st December 1893.
Number of years of measurements.	2	2	3	3	2	2	2
Average girth increment between first and last year.	1·067″	1·006″	·691″	·657″	·597″	1·279″	1·008″

* *Note.*—The first measurements in Ramgárh were in December 1889 and those in Nagsidh in December 1890, but the two first years' observations do not seem to be reliable.

In the Saharanpur Division there are three sample plots for sal at Dholkhand —No. 1 started in 1882, No. 2 in 1888, and No. 3 in 1890. No. 1 has not been thinned, No. 2 has been heavily, and No. 3 lightly thinned. The measurements taken so far give the following results for average annual girth increments:—

			Inches.
No. 1,	11 years.	148 trees,	·46,
„ 2,	6 „	96 „	·74,
„ 3,	4 „	44 „	54

There is also a sample plot in the Lakarkot Block, which is under improvement fellings and the result there was, ·42 inches for average annual grith increment.

In the Jaunsar Division there is no need of sample plots for the growth of deodár and other coniferous trees as they all have well-marked annual rings capable of being counted easily. But for the Kharshu Oak (*Quercus Semecarpifolia*), which gives a considerable proportion of the fuel for the Chakráta supply, and which does not show well marked annual rings, sample measurements are necessary, and for this purpose a sample area has been made near Deoban in the Jadí Block. The first measurements were taken in June 1883, and the last measurements up to the close of the year under review in June 1893 or ten years later. In these ten years the average annual girth increment for Kharshu has been ·438 inches.

(*b*) Annual Plans of Operations.

11. Annual plans of operations were drawn up for all divisions in accordance with the Forest Department Code. They were fairly well worked up to, the deviations being unimportant, and being chiefly in Jaunsár under cultural operations, some of which had to be postponed for want either of seed or of suitable transplants.

II.—Working of the year.

(*a*) Communications and Buildings.

12. Form No. 51 gives in detail the works carried out in each division under this main head of expenditure. Rupees 14,358 were expended on new work, Rs. 5,239 on buildings, and Rs. 9,119 on roads.

Repairs to buildings cost Rs. 7,092, and Rs. 6,146, represent the outlay on the maintenance of roads.

Roads and Communications.

The chief works of the year have been: in the **Dehra Dun Division**, the making of boundary roads along the Siwalik Forests. These were recommended in the working plan and are badly wanted for export work. They will repay themselves, probably, many times over, in better bids for the coupes.

In **Saharanpur Division** besides culverts on the Khara-Hardwár line, a road has been made from Dholkhand to Raighati, to help in the extraction of timber towards Rurki. In **Jaunsar Division** the Bamsu sledge road was completed. It is a fine piece of work consisting of two lengths of sledge road with a precipice between, down which the timber is sent by means of 3 spans of a wire tramway. The sledge road and wire tramway are doing excellent work and reflect great credit on Mr. McA. Moir, Deputy Conservator of Forests., and Pandit Rama Datt, Forest Ranger, to whose exertions their successful construction is due.

Bridges.

The Naintwar, Datmir, and Arakot bridges were all repaired during the year, the repairs really amounting to reconstruction. The first and last are cantilever bridges; the Datmir one a suspension bridge. It is regretable that the almost unprecedented rain since the end of the forest year has again lost us the Naintwar bridge, which was carried away by large drift trees coming against it. It will have to be reconstructed. Part of the cost of the original was defrayed by the Tehri-Garhwál Darbár.

Buildings.

In **Dehra Dun Division** range quarters were built at Phandowala, and the quarters at Dharmawala commenced. Those at Barkot were completed. A Forest chauki was built at Malhan. All the Ranges have now good well built quarters and offices. In the **Saharanpur Division** the range quarters at Barkala were completed and Forest Guards' chaukis were built at Maiapur, Bugawala, and Chirak. The range quarters are now all completed, and there are not many chaukis left to be constructed. The need of a Forest inspection house at Ránipur is much felt, and the money has been provided partly in the current year partly in 1895-96.

In **Jaunsar Division** inspection huts were built at Balcha, Datmir, and Bamsu, and Forest chaukis at Kuanu, Gadseri, Koti Bawar, and Raiengarh. The new inspection huts are very useful buildings, merely consisting of a wooden house with one room and a bath-room and a stone chimney, with a cook-house, one stall stable, and servants' house. They amply serve the purpose of accommodating the Divisional Officer and obviate the difficulties in procuring carriage for tents, while they allow of his visiting the localities in the rain season. The cost is from Rs. 350 to Rs. 500 according to localities.

The Rána of Taroche has not yet built the hut on the Chachpur ridge which he promised to erect, but the Superintendent of Hill States has taken the matter up and will probably induce him to do it very soon.

List of Buildings.

13. The following statement shows the buildings and forest inspection houses in the circle at the close of the year :—

Division.	Rest-houses for controlling staff.	Quarters for subordinates (excluding revenue depôts).	Offices, stores, and revenue depôts.	Wells.	Total.
Direction	...	...	1	...	...
Dehra Dún	7	10	38	2	52
Saháranpur	4	46	1	6	57
Jaunsár	19	76	29	...	124
Total ...	30	132	64	8	234

In Appendix A will be found a complete list of the buildings, the cost of which exceeds Rs. 200.

Outlay on roads and buildings.

14. The total figures of the year compare as follows with the outlay on roads and buildings in the two previous years :—

Year.	New work.		Repairs and improvements.		Total.
	Roads. Rs.	Buildings. Rs.	Roads. Rs.	Buildings. Rs.	Rs.
1891-92	4,345	2,816	5,715	6,375	19,251
1892-93	10,100	5,302	9,963	5,313	30,678
1893-94	5,239	9,119	7,092	5,796	27,246

Other Works.

15. An outlay of Rs. 1,871 was incurred under "Other works," the principal expenditure being in the Saháranpur Division, in connection with part construction of a well at Chirak and of bunds for the protection of camping grounds and range quarters at Mohand and Barkala. The usual camping grounds were cleared and maintained.

(*b*) PROTECTION OF FORESTS FROM INJURY.

(1) *Prosecutions of the year.*

16. Form No. 52 gives in detail the prosecutions for forest offences. The number taken into court was 7 as against 10 in the previous year, and convictions were obtained in all the cases. The cases were not of much importance, except one in the Saháranpur Division, of causing injury to the forests by fire, and another in the Jaunsár Division, in which certain zámíndárs and villagers of Jaunsár were accused of illegal lopping of Ban Oak, and a nominal fine was inflicted in the latter case, the Magistrate holding that the lopping rules had not been properly explained to the villagers. The offences which necessitated appeal being made to the courts are classified and compared with those of 1892-93 as follows :—

Year.	Injury to forest by fire.	Unauthorized fellings or appropriation.	Grazing without permission.	Other offences.	Total.
1893-94	1	3	2	1	7
1892-93	2	4	1	3	10

17. The number of cases compounded under section 67 of Act VII of 1878 was 122, involving 273 persons, as against 123 cases involving 273 persons in the previous year, and the total compensation received amounted to Rs. 734, or an average of Rs. 6

per case, and for each person of about Rs. 2·69. Compared with the previous year, the results of the different divisions were as follows :—

Divisions.	1892-93.		1893-94.		
	Number of offences.	Average amount taken from each person.	Number of offences.	Total amount received.	Average from each person.
		Rs.		Rs.	Rs.
Dehra Dún	38	1·51	52	281	1·91
Saháranpur	32	3·15	42	305	3·50
Jaunsár	53	2·03	28	148	5·29

Compared with the previous year there was an increase in the number of cases in the Saháranpur Division, chiefly under injury by fires and unauthorized felling, lopping, &c., while there was a decrease under illicit grazing and other offences. The Divisional Officer states that while the protection against unauthorized felling, lopping, &c., in the Central Range was good, illicit lopping for fodder was very common in the Western Range, where the establishment has not worked so well; and illicit cutting of bamboos was rife in the Eastern Range, where the establishment seems to be afraid to interfere. Nearly one half of the cases compounded in the Jaunsár Division come under the category of unauthorized fellings, and a fourth under illicit grazing. The offenders in the 12 undetected cases which refer to the fires in the Khaironwala, Chapri and Sháhjahánpur, Ránipur, Rauli and Chirak forests of the Saháranpur Division could not be traced. Most of them were investigated by the Police under the Collector's orders, and they reported that they had not succeeded in detecting the offenders.

(2) *Protection from fire.*

18. The following statement shews the fire conservancy operations of the past and the previous year :—

Division.		Total area.	Area attempted to be protected.	Percentage of area attempted to total area.	Area actually protected.	Failures.	Percentage of failures to area actually protected.	Cost during the year.	Cost per acre of area actually protected.
		Acres.	Acres.		Acres.	Acres.		Rs.	Pies.
Dehra Dún	1893-94 ...	186,035	157,222	84·51	148,696	8,526	5·73	3,136	4·05
	1892-93 ...	176,145	157,222	89·25	157,218	4	0·00	2,261	2·76
Saháranpúr	1893-94 ...	188,470	157,844	83·75	146,844	11,000	7·49	2,392	3·13
	1892-93 ...	188,470	157,844	83 75	156,990	854	0·54	1,144	1·39
Jaunsár ...	1893-94 ...	150,905	113,215	75·02	112,822	393	0·34	1,729	2 94
	1892-93 ...	146,447	109,597	74 83	109,451	146	0 13	1,378	2·41
Total ...	1893-94 ...	525,410	428,281	81·51	408,362	19,919	4·88	7,257	3·41
	1892-93 ...	511,062	424,663	83·09	423,659	1,004	0·23	4,783	2·16

The exceptionally dry season of the year was most unfavourable for fire conservancy work, which, as regards the plains divisions, compares unfavourably with the successful measures of 1892-93. The area over which protection was extended as compared with last year has increased from 424,663 acres to 428,281 acres, due chiefly rectifications, and the failures have increased from 1,004 acres to 19,919 acres, of which the largest proportion was in the Dehra Dún and Saháranpur Divisions.

The increase in "Total area" is due to the inclusion of the Dehra Dún unclessed forests, and this causes a corresponding decrease in the percentage of area attempted.

The failures amount to 4·88 per cent. of the area attempted as against 0·23 per cent. in the previous year. The total expenditure inceased from Rs. 4,783 in 1892-93

to Rs. 7,257 in the year under report, due of course to the expense of extinguishing fires which occurred, and to a larger staff of patrols being wanted. The average cost in pies per acre protected rose from 2·16 to 3·41. The cost was highest in Dehra Dún, averaging 4·05 pies per acre, and lowest in Jaunsár, where it was 2·94 pies.

19. The following statement shows the cost of fire protection in each division :—

Division.		Area actually protected.	Percentage of total forest area protected.	Length of fire lines.	Cost.					
					Clearing lines.	Burning lines.	Fire patrols.	Extinguishing fires.	Total.	Per acre.
		Acres.		Miles.	Rs.	Rs.	Rs.	Rs.	Rs.	Pies.
Dehra Dún	Average of 14 years ...	93,747	...	...	...	...	...	...	3,580	7·38
	1892-93	157,218	99·99	350	624	769	861	7	2,261	2·76
	1893-94	148,696	94·57	350	896	929	1,187	124	3,136	4·05
Sahéranpur	Average of 14 years ..	77,689	...	..	.	...	...	...	2,241	5·54
	1892-93	156,990	99·45	151	272	89	783	...	1,144	1·89
	1893-94	146,844	93·03	151	296	295	1,045	756	2,392	3·13
Jaunsár ...	Average of 14 years ...	81,331		...	...			...	1,352	3·19
	1892-93	109,451	99·86	368	93	1,015	239	31	1,378	2·41
	1893-94	112,822	99·65	422	346	1,087	266	30	1,729	2·99
Total ...	Average of 14 years ...	252,767	...	...	.	...	...	.	7,173	5·45
	1892-93	423,659	99·76	869	989	1,873	1,883	38	4,783	2·16
	1893-94	408,362	95·35	923	1,538	2,311	2,498	910	7,257	3·41

20. The following table compares the causes of the different fires for the past seven years, classified under main heads as follows :—

Year.	I. By Forest establishment when burning fire lines.		II. Fires which entered the forests by crossing exterior fire lines		III. By workmen not in forest employ, by accident.		IV. By villagers, travellers, or soldiers, by accident.		V. Fires caused by lightning.		VI. Fires maliciously lighted inside the forests.		VII. Causes unknown.		VIII. Total.	
	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.	No.	Area in acres.
1893-94	2	18	5	5,527	4	150	7	233	...	...	10	13,578	4	393	32	19,919
1892-93	5	143½	...	...	3	856½	2	4	1	½	..	...	..		11	1,004½
1891-92	6	37½	2	125	1	12	9	555½	1	½	8	1,653	3	42½	30	2,426
1890-91	1	1	1	10	1	3	3	8	1	8	..		3	345	10	375
1889-90	10	1,441	4	6,368	4	281	8	1,842	...	...	3	7,172	7	1,715	36	19,019
1888-89	1	2	4	18,697	1	1	10	1,989½	...	...	5	10,825	1	125	22	31,639½
1887-88	9	2,506	1	7,756	1	410	10	357	1	263	3	4,163	10	3,303	35	18,758

21. The following table gives the details of the fires which occurred during the year :—

No.	Range.	Block.	Date of fire.	Year of protection.	Area burnt.	Remarks as to cause of fire.
		DEHRA DÚN DIVISION.			Acres.	
1	Jumna ...	Chandpur ...	22nd May 1894	1887	130	Supposed to have been incendiarism. No cause has been arrived at by the Police or Forest investigations.
2	Malhan ...	Baiukhala ...	1st June, 1894	1884	80	Cause unknown. Supposed to have been lighted by a cowherd.
3	Lachiwala	Lambirau ...	24th May 1894	1877	12	Offender could not be discovered.
4	Do. ...	Maidan ...	...	1888	½	Lighted by a honey thief.
5	Tirsal ...	Sainkot ...	15th January 1894.	1887	51	Caused by a Gujar's boy, who lighted the fire to warm himself.

No.	Range.	Block.	Date of fire.	Year of protection.	Area burnt.	Remarks as to cause of fire.
					Acres.	
6	Tirsal ...	Birbhaddar ...	28th January 1894.	1888	27	Fire crossed from district areas outside the forest.
7	Ganges ...	Johra ...	5th February 1894.	1883	12	Fire crossed from zamíndári forest.
8	Do. ...	Koelpura Kharkhari.	27th May 1894	1883	7,920	Supposed to have been caused by incendiarism. Police investigation is not yet concluded.
9	Do. ...	Koelpura ...	6th April 1894	1883	280	Supposed to have crossed from the Chirak block, Saháranpur Division.
10	Do. ...	Danda ...	15th February 1894.	1883	14	Carelessness of Forest guard and tindal whilst burning fire lines. Both fined.
			Total	...	8,526	
		SAHÁRANPUR DIVISION.				
1	Western ...	Kasumri ...	23rd December 1893.	1885	6	Carelessness of an exporter. Fined Rs. 4.
2	Do. ...	Khujnawar ...	17th March 1894	1887	123	Supposed to have been caused by neighbouring villagers working in the forest.
3	Do. ...	Khaironwala	14th April 1894	1885	236	Supposed to have been caused by incendiaries. Offenders could not be traced, though enquiry was carefully made by the Police as well as the Forest staff.
4	Do. ...	Do. ...	25th April 1894	1885	254	
5	Do. ...	Do. ...	26th April 1894	1885	67	
6	Do. ...	Do. ...	27th April 1894	1885	545	
7	Do. ...	Do. ...	11th May 1894	1887	4	Caused by carelessness of a Forest guard when burning fire lines.
8	Do. ...	Khaironwala	15th May 1894	1885	937	Supposed to have been caused by incendiaries, but no evidence was obtainable.
	Do. ...	Chapri ...			163	
	Do. ...	Barkala ...			826	
9	Do. ...	Kalowala ...	8th June 1894	1885	1,406	Ditto ditto.
		Sháhjahánpur		1887	1,103	
10	Central ...	Baniawala ...	3rd April 1894	1883	90	Caused by a camel grazier. Convicted by the Court and punished with Rs 25 fine and Rs. 50 compensation.
11	Eastern ...	Ránipur ...	10th January 1894.	1879	1¼	Cause unknown.
12	Do. ...	Chirak ...	6th April 1894	1886	768	Same fire as No. 9 of Dehra Dún. Apparently lit on the water-parting path, but no evidence obtained.
13	Do. ...	Ránipur ...	9th April 1894	1879	20	Carelessness of a coolie cooking his food. Fined Rs. 5.
14	Do. ...	Maiapur ...	15th April 1894	1886	4	Supposed to have been lighted by an incendiary; perhaps a grazier or bhábar grass exporter.
15	Do. ...	Ránipur ...	15th May 1894	1879	6½	
16	Do. ...	Do. ...	28th May 1894	1879	2,348	Fire crossed over from the Debra Dún Division; the same fire as No. 8 of that division.
	...	Chirak ...		1886	650	
		Rauli ...	31st May 1894	1879	1,350	
		Maiapur ...		1886	92	
			Total	...	11,000	
		JAUNSÁR DIVISION.				
1	Deoban ...	Forest Garden	2nd April 1894	1880	1	Burnt by the carelessness of a charcoal burner, who was fined Rs. 4.
2	Do. ...	Mashak ...	26th May 1894	1869	2	Originated by accident from the fireplace of a sheep grazier cooking food.
3	Do. ...	Ekra ...	6th June 1894	1874	1	Lighted by a grazier, who was fined Rs. 5.
4	Bawar ...	Kerugadh ...	25th May 1894	1872	300	Supposed to have been lighted by villagers. Cause not known.
5	Do. ...	Dharmigadh	30th May 1894	1893	19	Lighted by a villager of unsound mind.
6	Deota ...	Chatra ...	3rd June 1894	1879—84	70	Spread from fires lighted by a Gujar. He was fined Rs. 10, and his buffaloes, 100 in number, were turned out of the forest.
			Total	...	393	

The chief fire which occurred was a disastrous one which burned an area of 7,920 acres in the Koelpura and Kharkhari blocks of the Dehra Dun Division and passed over the watershed to the Saháranpur Division, burning an area of 4,440 acres in the Ránipur, Chirak, Rauli, and Maiapur blocks. The police were asked to investigate the cases and try to find out the offenders. The results of the enquiry by the Debra Dún police are not yet known, but it seems extremely probable that the fire was purposely lit by a man who was found in the forest and could not account for himself, but against whom there was not sufficient evidence to warrant a prosecution. There seems some reason to fear that the fire was the result of petty jealousies among the staff of forest rangers, foresters and Forest Guards in the Ganges range of Dehra Dún, and the Eastern

range of Sahâranpur, and the Conservator is taking steps in concert with Divisional Officer to ensure that such things do not occur in future The damage done was serious, not so much to the older stock as to the crop of fine seedlings of Chír pine, and other trees on the water parting which had been one of the most satisfactory features of the previously protected area.

Serious fires also occurred in the Western Range of the Sahâranpur Division, where there were five fires in the Khaironwala block between the 14th April and 15th May 1894, burning an area of 2,049 acres. The fire in the Khaironwala block on the 15th May 1894 passed on to the neighbouring blocks, burning an area of 163 acres in Chapri and 826 acres in Barkala block. Another disastrous fire occurred on the 8th June 1894, burning 1,406 acres of the Kaluwala and 1,103 acres of the Shâhjahânpur block. The Police and the Divisional Forest Officer were of opinion that these fires also may be attributed to intrigues among the Forest guards in employ, and to a dismissed Forest guard aided by the neighbouring villagers who were not in good terms with the forester in charge. As regards the fire in the Khajnaur block on the 17th March 1894, in which the neighbouring villagers were suspected of complicity, the Collector has sanctioned the closure of the block for one year to grazing.

The most serious fires in the Jaunsár Division were those which burned an area of 300 acres in the Kerugadh block and of 70 acres in the Chatra block. The cause of the former is not yet known, though it is not improbable that some of the neighbouring villagers are responsible for it. It was Chír forest, and it will still take a little time to get the Chír forests protected. The Chatra fire occurred when the Conservator was on tour in the neighbourhood, and was quickly extinguished by the Divisional Officer's exertions. The offender, a Gujar, was detected and punished.

22. A liberal reward of Rs. 128 has been sanctioned by Government for distribution amongst the Forest guards in the Central Range of the Sahâranpur Division for the good work done by them in fire protection, not only of their own beats, but in helping to extinguish fires in the neighbouring ranges. No infringement of the rules of G. O. No. 349F., of 2nd May 1891, has been reported.

The success of Lâla Pirbhu Lal, the Central Range Ranger, and of some of the Range Officers in the Dún is worthy of note. The ranges where fires occurred were those held by the worst Range Officers, and the Conservator regrets to report the names of Forest Rangers Ram Narayan and Lâla Pancham Singh, and Foresters Sobha Ram and Nathu Singh, as having failed to do their best.

The Divisional Officers worked hard, travelling fast from place to place where fires were announced. One difficulty was that it is hard to get quickly to the places on the Siwaliks, and this points to the necessity for better roads from the outer boundary to the ridge path.

23. Appendix B shows the amount of rain received at Dehra Dún and the forest stations during the period from July 1893 to June 1894 inclusive. The rainfall during April and May was only nominal in the plains divisions, while the heat and dryness of the air were very great. It was very hot in May and June, even in the hills of Jaunsár, and had it not been for the big fire near Hardwár, the Conservator would have felt that all things considered we could congratulate ourselves that in such a season the fire protection work was not very bad. Still, there are points connected with it which are unsatisfactory, for the chief fires might have been prevented if the staff had worked properly.

(3) *Regulation of grazing and protection from cattle.*

24. Form No. 54 gives the information regarding the areas closed and open to grazing in the three classes of forests. The following statement shows the areas closed and open as compared with the previous year:—

Division.		Total area.	Area closed to grazing, including those closed for that part of year to browsers.	Percentage of total area closed.	Area open to grazing.
		Sq. miles.	Sq. miles.		Sq. miles.
Dehra Dún		290	247	85·17	43
Sahâranpur		295	270	91·52	25
Jaunsár		236	87	36·86	149
Total ...	1893-94 ...	821	604	73·56	217
	1892-93 ...	812	414	50·98	398

There were no changes in the Dehra Dún Division since last year. The addition of 170 square miles in the Saharánpur Division is due to the fact that by the introduction of the new grazing rules, which received the sanction of Government during the year, the grazing of sheep and goats, except those of the privileged villages or of travellers, has been discontinued, thus showing an increase of 170 square miles closed to browsers. The increase in the Jaunsár Division amounted to only 20 acres, and is accounted for by the closure of the coupe of the year in the Kalsi Coppice Working Circle.

25. Form No. 55 shows the actual number of cattle grazing in the State forests and the estimate of grazing dues of the year, including the actual value and estimate at full rates for privileged cattle as well as for those grazing free. The new rules were introduced, and in order to bring them up to 30th September 1894, and then to go on with the grazing year to commence on 1st October as required by the rules, grazing dues for separate periods of one year and for six months were levied in the Dehra Dún Division. 19 villages in the Saháranpur Division have accepted the annual system, while the rest (94) have accepted the triennial assessments. The Divisional Forest Officer, Jaunsár, remarks that the number of residents' buffaloes grazing for the season is nominally only slightly in excess of that shown last year; but owing to the closure of the Tehri-Garhwál State forests to buffaloes, all those Gujars who have up to the present grazed their animals in that State have been obliged to go elsewhere for grazing grounds, and this has resulted in much surreptitious grazing in Government forests. These men keep their cattle near the boundary of Government and Tehri-Garhwál forests, and graze on one or the other side of the boundary as is most convenient and at the slightest alarm on one side of the boundary remove their cattle to the other, rendering their apprehension a difficult matter. The Rája of Tehri has been informed of this, and it is hoped that with his co-operation this illicit grazing will be put a stop to.

26. *Grazing dues.*—The past and present receipts on this account compare as follows:—

	Receipts.	Outstandings at the close of the year.
	Rs.	Rs
1891-92	34,189 ...	495
1892-93	31,515 ...	229
1893-94	22,854 ...	3,793

The outstandings at the close of the year amounted to Rs. 467 in the Dehra Dún Division and Rs. 3,793 in the Saháranpur Division, due to the late introduction of the new rules.

(c) Improvement of forest growth.

(1) *Natural reproduction.*

27. There is little to add to last year's remarks. The Jaunsár Divisional Officer notes that the advance growth of deodár (*Cedrus deodara*) in some places is very promising, and in some places a preliminary thinning of weak individuals which will eventually be suppressed would seem to be called for; and that the reproduction of Chír (*Pinus longifolia*) is very favourable in the fire conserved areas, notably in Utasna, Nimus, Sangared, and Rangwar blocks. But wherever there is any fire, reproduction is conspiciously absent. Deodár did not seed during the year, but Rai (*Abies Smithiana*) and Morinda (*Abies Webbiana*) produced a moderate crop.

From the Saháranpur Division the Divisional Officer writes that natural reproduction is not good, except on sheltered gentle slopes near the watershed. In the Central Range, however, where there is little grazing, reproduction is fairly good; but in the Western Range which is grazed beyond its capabilities, it is almost entirely absent. Sal (*Shorea robusta*) and Sain (*Terminalia tomentosa*) and Bakli (*Anogeissus latifolia*) seeded to a fair extent. A few clumps of bamboo seeded in the Saháranpur Division, but the seed was not of good quality.

Planted *Dendrocalamus Hamiltonii* in the Dún seeded during the year, and *Bambusa nutans* flowered partially, but did not seed.

(2) *Artificial reproduction.*

28. Except the Pathri plantation in the Saháranpur Division, there is no regular plantation in the circle. No work was done in the same nor was any expenditure incurred.

29. The expenditure incurred and work done under cultural operations compare as follows with last year :—

	Expenditure.		Additional area.	
	1892-93.	1893-94.	1892-93.	1893-94.
	Rs.	Rs.		
Dehra Dún	3,344	5,211	40	58½
Saháranpur	679	1,040	55	4
Jaunsár	5,174	2,714	208	81

In the Government review of last year's report it was remarked that the results recorded in the Dehra Dún and Saháranpur Divisions were not in His Honor's opinion, commensurate with the expenditure ; and that " the planting out of bamboos at a cost of 4½ annas each as in the Johra block, or the cultural work in Lachiwala and Ránipur, costing Rs. 64 and Rs. 76 an acre " was hardly justifiable. Special report on this subject has already been made, but a few remarks are distinctly called for here by way of further explanation. The Johra plantation is a work which was ordered in the working plan of the Dehra Dún forests, and there seems reason to think that the framer of that plan did not realize the difficulties of the work he proposed. Johra is a block of forest on the plateau near Raiwala overlooking the Ganges. The area to be planted is a piece of very sparse, mixed forest, with a huge growth of gigantic grasses often 10 feet or even more high ; the chief species being the great *Anthistiria gigantea.* The working plan prescribed the planting up of this area with bamboo at the rate of 50 acres per annum, and estimated the cost of the work at Rs. 20 per acre. The first work done was in 1887-88, when 60 acres of plants of bamboo 25′ × 25′ were said to have been put down in pits dug in the middle of the long grass, on both sides of the Raiwala-Parduni road, and (see working plan, page 88) to promise well. The annual report of that year gives the area as 86 acres, and the number of plants only 5,900. That same year half the area was burnt, which was not unnatural considering the grass, and the work was practically abandoned as a failure ; and the grass allowed to grow up around the plants which were then forgotten. The present Conservator, on his first tour in the Dún in the winter of 1890-91, was told about this in reply to his enquiries as to why the working plan was not being carried out, and he inspected the spot. He found a considerable number of bamboos still alive in a wretched state in spite of being smothered in grass and occasionally burnt over, and he had lines cleared so as to give them some light. But there was nothing near 86 or 60 acres ; perhaps 5 would have been nearer the mark. The Conservator also prepared proposals which were laid before Government and approved in G. O. No. $\frac{420F}{652-63}$, dated 23rd May 1892, and these proposals should be carefully read, and in reading them it should be noted that even the new estimate of 15 acres yearly was more than experience has found fully possible. In his opinion there could be no greater mistake possible than to suppose that a work like this could be done in a cheap, rough and ready way ; the only possible way to make sure of success, and consequently of real cheapness in the end, was to clear the ground of the grass and its roots, stake it and plant it systematically, and this is what is being done. There is no doubt about its being expensive, that is unavoidable if success is to be ensured ; but it is likely to succeed, and if so, we shall have a piece of land covered with bamboo clumps 15 feet apart, and alternating with teak or other trees planted also 15 feet apart between. But there is considerable doubt as to whether it is worth while in such a difficult locality, and the Conservator is bound to say that he thinks not, and that after we have completed the 75 acres between the roads from Raiwala to Hardwár and Parduni, further work should be abandoned at Johra. It is a difficult place to get to in the rains, is unhealthy, and labour is most troublesome to procure. The area properly planted up to date is 37 acres, and the cost has been as follows :—

	Acres.	Rs.	Rs.
1887-88	86	338	
1888-89		130	
1889-90		143	
1890-91		74	
1891-92		596	
Total before new work		...	1,281
1892-93		1,394	
1893-94	37	1,615	
Total on new work		...	3,009
Total		...	4,290

It would not be fair to count expenditure previous to 1892-93 against the work, but since then the cost has been about Rs. 81 per acre, which seems high, but is not really much considering the difficulties of the locality. The whole area has to be ploughed or hoed several times, to be fenced as it abuts on much used roads, and the plants have often to be brought from some distance.

The history of the **Ramgarh** planting work is much the same, except that it was not prescribed in the working plan. The earliest mention of this plantation is in 1882-83, when 14 acres were planted with sal, sain, sissu, túm, and bamboo at a cost of Rs. 472. In 1884-85 Rs. 512, in 1886-87 Rs. 127 (16 acres added), in 1887-88 Rs. 198, in 1888-89 Rs. 207, and in 1889-90 Rs. 22 were spent, and then the plantation was struck off the list, the area being nominally 30 acres, and the cost Rs. 1,538. When the present Conservator first visited it, he found this expenditure had been devoted to an unsatisfactory patch of bamboos with a few stunted sain and other plants and came to the conclusion that it ought to be filled up and completed so as to get some return for the money. It may now be said to be complete, and indeed was so at the end of last year, and for the heavy expenditure of the year under review he considers the Divisional Officer alone to blame. Rupees 334 spent in protecting little bamboos from frost was quite unnecessary, and there are other items in the Rs. 1,394 which show a want of proper supervision on his part. There are now 28 acres planted with bamboos (chiefly *Bambusa burmanica*) 15 feet apart with shisham (*Dalbergia Sissoo*) between. This gives per acre about 194 bamboo clumps and 582 other trees. There is no idea of making any extension; the object held in view—that of converting an area on which a good deal of money had been spent from a failure to a success—has been attained. The work has taught us to plant bamboo successfully, and it has abundantly shown that careful and successful work, even at a greater expenditure, is better than trying to do it without clearing and cheaply in such localities.

For the work at **Lachiwala** the present Conservator is entirely responsible. An unsightly belt of poor forest on good soil between the Lachiwala-Bulawala road and the forest boundary, 11 miles from Dehra, on the only good piece of district road in the Dún close to the most frequented of the forest camping grounds, and at the forest ranger's headquarters seemed an excellent place for establishing a plantation which would serve to teach how to plant bamboo, teak, &c., to the Forest staff, as an exercise ground for Forest School students, and as a valuable investment to secure a supply of bamboo to meet a large demand, and that is why the plantation has been made. There are now 53 acres under plantation, all looking extremely well, and countings quite recently made by the Conservator show that the number of vacancies is under 10 per cent.

There are patches No. 1, 3 acres, *Thyrsostachys Oliveri* bamboo, 15'/15', with various Eucalypti planted between; Nos. 2 and 3, 28 acres, *Bambusa burmanica*, with teak between, also 15'/15'; No. 4, ditto, 16½ acres teak not yet fully filled in; No. 6, 5½ acres, *Bambusa arundinacea*, awaiting interplanting; No. 7, 2 acres contains chír (*Pinus longifolia*). The cost was for—

								Rs.
1892-93	...	...	...	...	...	...	...	1,028
1893-94	...	...	...	...	...	...	...	1,856
						Total	...	2,884

or Rs. 52·8 per acre, which is not a very heavy rate to pay for a fully successful piece of planted forest carrying per acre about 180 clumps of bamboo and 180 young teak or other valuable trees between them. In Lachiwala the grass had not been so heavy as at Johra, and villagers can sometimes be found to do the ploughing or hoeing for nothing if allowed to grow a crop on the land between the trees.

In the **Saharanpur Division** a sum of Rs. 640 was spent in filling up blanks and failures in the area planted up last year; 6,415 failures being filled up with bamboo seedlings, mostly from the forest, teak, &c., and in maintaining the nursery, cost being Rs. 331. There will be a little more work to be done in the current year, and then the work can be stopped.

In Dholkhand 4 acres were planted with bamboo, chír, &c., at a cost of Rs. 265. The bamboos especially are doing well. The locality is close to the range headquarters, and was dangerous on account of the long grass. The planting up of blanks in the Mohand Coppice promises to succeed, a few plants of teak (*Tectona grandis*), papri (*Ulmus integrifolia*), mahúa (*Bassia latifolia*) and Chír having been put out in extension and in filling up failures. The natural reproduction by seed, especially of sál, in the coppice areas, has been noticed to be good.

30. Form 56 gives the plantation statistics. The areas of plantation both in the Dún Division and in Sahiranpur have been rectified by survey and actual measurement. It was found that the area in Johra had been over-estimated, and that in that at Ránipur had been included the whole coppice area instead of the planted portion only. The Jaunsar areas all require verification badly.

31. In Jaunsár the cost of planting was Rs. 2,71½ during the year. 81 acres were sown or planted, though as compared with the figures of last year very little work was done. This is accounted for by a scarcity of plants for putting out, all available plants in nurseries having been duly transplanted. There will be a seeding of deodár this year (1894), when we shall be able to raise a new stock. The following were the chief works undertaken :—

Deoban Range.—At Kanjatra 6¼ miles of contour lines extending over an area of 12 acres were sown with rai and morinda seed during June 1893. The morinda germinated well; the rai only moderately. 2,965 ordinary and 703 basketed deodár plants were put out in April and May and planted out in compartment 2, in July. At Bodyar 1,217 ordinary deodár plants were planted out in sub compartment (*a*) and 2,237 basket plants in (*d*). 13¾ miles of seed lines were prepared in sub-compartments (*d*), (*e*) and (*f*) and sown with deodár, kail, and indigofera seed. The two latter came up fairly well, but hardly any deodár. In Mohna 1,500 kharshu transplants were planted out in kharshu seed lines, and about ¾ of the Kawai-khera chuk was sown with kail seed, which has germinated successfully.

In Korwa 3,097 ordinary and 469 basket deodár plants were planted out.

Bawar Range.—In compartment 9 of Mundali forest 4,127 ordinary deodár plants were planted out in an area of 10 acres. Besides, 630 basket deodár plants and 148 ordinary kail plants were put out in exposed localities of compartment 10, where deodár will require nurses.

At Kathian 396 ordinary deodár plants were planted out among kail in patches of three.

At Panchkoti an area of 2½ acres in Ghutia khera was drained and planted with 800 ordinary deodár plants.

Deota Range.—4,056 ordinary deodar plants were planted out in an area of 15 acres in the Partil and Temple blocks.

Kotigad Range.—In Chakora block, an area of 5 acres was planted up with 1,356 ordinary deodár plants.

Deogarh Range.—In Murach 525 and 828 ordinary deodár plants were planted out in plantations Nos. 6 and 7 respectively, in patches, three plants being put in a patch.

In Chachpur 1,855 deodár plants were planted out in plantation No 1 and 1,648 in No. 2.

In Majog 4 acres were sown broadcast with 1¼ maunds of chír seeds, which has given excellent results, but the growth of grass is heavy and the cost of cutting the same considerable.

In addition to the above all existing plantations have been maintained and, where necessary, failures have been replaced by healthy transplants. The work in Jaunsár is usually excellent, though somewhat desultory. The results at Deota have been the best and then the work at Deoban, but in the Conservator's opinion more systematic and closer planting with cultivation of the soil would every where have been better than the present system, which does not always produce a close or quick growing crop, though it is perhaps cheap. The areas of plantation land require to be checked, and an endeavour will be made to do this at once and before next year's report.

32. In conclusion, the Conservator desires to express his general agreement with the remarks of the Oudh Conservator in paragraph 36 of his report of last year. Johra and Ramgarh and perhaps even Bodyar can hardly be called "suitable localities," and it is a pity that attempts were ever made to plant them. At the same time he believes that where suitable blanks exist and their being filled artificially will improve the forest, it should be done, and this is the case at Lachiwala and in most places in Jaunsár. Planting work in India is every where difficult and expensive if it is to be successful and unless it is made successful the money spent is wasted.

(3) *Early Thinnings.*

33. These operations include (*a*) thinnings and (*b*) climber cutting.

(*a*) *Thinnings.*

34. In the Dehra Dún Division 328 clumps of bamboos were thinned, at a cost of Rs. 130, but in consequence of the scare caused by the prospect of the bursting of the Gohna lake and the consequent flood on the Ganges purchasers would not take the risk; many of the bamboos are still undisposed of. Similar operations were carried out in the Saháranpur Division, in the Mohand, Chirak, Dholkhand, and Betben blocks, by contractors, the work being done best in the two former. In Rámpur 250 clumps were cleared at a cost of Rs. 48. In Khajnawar block 500 clumps were thinned by a contractor, who 68 scores of bamboos exported. Four acres were thinned in the Malkot forest of the Dehra Dún Division and the firewood removed by lime burners.

(*b*) *Climber cutting.*

35. The following statement shows the work done during the year as compared with that of 1892-93 :—

	Area.		Cost.	
	1892-93.	1893-94.	1892-93.	1893-94.
				Rs.
Dehra Dún	8,385	9,790	1,127	1,865
Sahárnpur	500	610	85	100
Jaunsár	...	109	8	40
	Square miles		Per square mile.	
Whole Circle	13 86	16·42	94·6	113·58

In the Dehra Dun Division, the work was done according to the prescriptions of the working plan, which were fairly well adhered to with the following results :—

Working Circle.	*Compartment.*	*Area.*	*Cost.*
		Acres.	Rs.
Jumna	8	1,200	70
Malhan	10 pt.	1,000	140
	11	...	...
Ramgarh	13	540	52
Nagsidh	8	100	20
Thano	10	100	16
Tirsal	8	500	147
Ganges	7 pt.	1,200	274
	8		
Lachiwala coppice	16 to 21	250	42
	34	...	...
	14,15 pt.	...	...
Total ...	...	4,890	761

The less area done in Nagsidh and Thano was due to press of work. The compartments were finished after the end of the year. Also, in accordance with the special sanction of Government, for the areas above the Hatiwala line which were not included in the working plan prescriptions, 4,750 acres were gone over at a cost of Rs. 1,104. The charges for the Tirsal working circle were particularly heavy; so were those of the Ramgarh and Ganges Working Circles; being again lowest in the Jumna working circle, amounting to 1·6 anna per acre.

In Saharanpur Division, 160 acres in Budhaban, 300 acres in Gaj, and 150 acres in Tira 1, 3, and 4 were gone over, the cost varying from 3·2 annas per acre in Tira to 1·8 anna in Gaj.

In the Jaunsar Division, 109 acres were gone over in the coppiced portion of Haripur block, kalsi working circle, compts. 3, 4, 6, 7, and 10, the cost being about 5·9 annas per acre.

(4) *Other operations for the improvement of the growing stock.*

36. (*a*) *Cutting back of badly grown and damaged trees.*—In the Dehra Dún Division 4,890 acres were gone over at a cost of Rs. 2,098 as against 7,216 acres at a cost of Rs. 3,720 in the previous year. In the Thano working circle 52 large fig trees were cut down in compartments 1—5 at a cost of Rs. 107.

37. (*b*) *Ringing of inferior species in plains forests.*—In the Dehra Dún Division, 200 acres were done in compartment nine of the Thano forest at a cost of Rs. 24, 3,223 trees being ringed.

In the Jaunsár Division the following work was done :

38. (*c*) *Thinning of blue pine over deodár.*—The following were done :—

		Acres.
Deoban range ...	Bajamara	39
	Durani	23
	Kanjatra	50
Bawar „ ...	Kathian	27
Deota „ ...	Jaurasi	30
	Dopta	152
	Temple	360
	Katatach	67
Kotigadh „ ...	Thunwara	150
	Total ...	898

39. (*d*) *Ringing of inferior species to encourage deodar.*—The work done was as follows :—

			Acres.
Deoban range,	...	Karamla Block	200
Rawar „	...	Dogragadh „	112
Deogarh „	...	Muraoh „	163
Deota „	...	Deotalgadh „	590
		Total ...	1,065

(5) *Experiments.*

40. At the instance of the North-West Soap Company 1 maund 7¼ seers of the kamela powder (*Mallotus philippinensis*) were collected in the Dehra Dún Division at a cost of Rs. 31-8-0. The result of the experiments made by the Meerut Soap Company in the use of it as a colouring material for soap were not, however, favourable, the Manager reporting that in combination with other substances the powder yielded only a pale yellow or orange dye, and that of a dirty hue, which did not last. It takes about 100 lb., of capsules to give 1 lb. of dye by the water process, the process by which the dye is produced in cakes instead of as a powder.

The experiments for producing lac at Rúnipur mentioned in last year's report have failed completely; owing to the very heavy monsoon, the insects did not propagate. At Dholkhand the collection was very poor. No lac seed can now be had either in the forests or their neighbourhood. Arrangements are being made to have a very small quantity of the seed from the Rewah State, to try the experiment on a very small scale once more.

In the Shahjahanpur block Sáharánpur Division 565 chír trees were tapped for resin, the yield being a little over 5 maunds from November to the close of the year. The quality of the resin and turpentine produced is excellent.

In the Pathri forest 20 maunds of kino (*Butea frondosa*) gum were collected; but no sale could be found for the same during the year.

41. At the Forest Garden, Chakráta, all fruit trees were carefully manured and pruned. There was a heavy crop of fruits, especially as regards apples and peaches, which sold for Rs. 527. 110 fruit trees were distributed to the headmen of villages and 3,286 trees (mostly deodár) were removed from the garden, some being distributed to villagers, but the majority made over to the Cantonment Magistrate for planting in the cantonments. Amongst the exotics tried *Robinia Pseudo-Acacia*, introduced at the especial wish of the Inspector General of Forests, has done remarkably well, and exhibits an extraordinarily rapid growth in warm localities. *Cunninghamia sinensis* has not done well, and was found to be most sensitive to moisture. A bed of *Cryptomeria japonica* under similar circumstances, however, flourished most luxuriantly. The garden, which the Conservator inspected, is looking very well and doing excellent work.

42. The Conservator thinks it well to put on record the extremely successful results of the planting of *Paper mulberry* (*Broussonetia papyrifera*) in the Kaunli forest garden belonging to the Imperial Forest School. It is completely established and could only be eradicated with difficulty. This shows that were paper mills to be started at Hardwár, Roorkee, Saháranpur, or in the Dún itself, there would not only be a large supply of stock available from Bhábar grass, from Maljhán (*Bauhinia Vahlii*) fibre, &c., but that paper mulberry could be grown easily and probably profitably. Experience at the Forest School has shown that some other plants of economic value are quite capable of successful cultivation for instance, mahogany, not the usual *Swietenia Mahogani*, which rarely thrives away from the sea, but a new species of similar wood (*Swietenia macrophylla*). The olive, the carob, and most Australian trees are failures.—

(d) Exploitation of major forest produce.

(1) Clear or Regeneration fellings.

43.—There are no fellings in this circle that can be classified under this head, except so far as was explained last year.

(2) Selection fellings.

44. In the Dehra Dún Division such fellings were limited to 201 sal trees, required for the Military authorities at Landour and for departmental purposes.

In the Saháranpur Division 60 sal 85 kukat and other trees were sold to contractors from the Western Range, while 25 sal trees were cut for departmental use and 69 simal trees were removed by a contractor at Re. 1 per tree. It is understood that these trees were sawn up into planks for making packing boxes.

In the Jaunsár Division selection fellings were, as reported last year, limited to the supply of timber to the Miliatary Works Department; of oak and fir fuel to the Commissariat; of sleepers to the Rájputána-Malwa and North-Western Railways; and to the departmental sale of kail and chir karis. 600 standing deodár trees from the Tehri-Gárhwál leased forests, and 1,869 standing chír trees under the Chír forests working plan were also sold in selection fellings.

(3) Improvement fellings.

45. These comprise the chief fellings in the Dehra Dún Division. The following table shows the compartments in which trees have been marked for next year's fellings as well as the work of the year :—

Working circle.	Number of compartments.	Area in acres.		Areas marked for fellings next year.	
		Begun.	Finished.	Compartment.	Area.
Jumna	5 & 6	1,200	1,200	7	1,200
Malhan	8 & 9	800	800	10	800
Ramgarh	10 & 11	500	500	12	500
Nagsidh	5 & 6	500	500	7	500
Thano	7 & 8	200	200	9	200
Tirsal	5 & 6	500	500	7	500
Ganges	5 & 6	1,000	1,000	7	1,000
Total ...	...	4,700	4,700	...	4,700

The amount realized at auction by the sale of the coupes of the year, 4,700 acres, was Rs. 23,405, that of 1892-93 having been Rs. 33,200. As the working plan did not proportion the coupes to the quality and density of the forest, the amounts received yearly are liable to fluctuate considerably, and no very definite estimate can ever be made of what they will fetch.

46. In the Saháranpur Division, improvement fellings were made in the sal area of the Baniawala block and the level portion of the Gaj block, 2,727 sal and 1,229 kukat trees being felled. The trees were felled departmentally and sold by auction fetching Rs. 860. The majority of the trees were small sized and of inferior timber. In compartments 1 and 2, Rasulpur block, 10,367 sal and 4,764 kukat trees have been marked for felling during 1894-95.

(4) Coppice fellings.

47. In Dehra Dún Division compartment 4 of the Lachiwala coppice was worked departmentally, and compartment 34 sold by auction for Rs. 260. It is proposed to sell both the compartments by auction, reserving for the Forest School the coppicing

of two acres and the use of the product from it for charcoal making. In compartments 8 and 36 standards have been marked for next year's fellings. No fellings were made in the Nichla Suswa coppice, the compartment of the year having been forestalled last year.

48. In the Saháranpur Division there are 4 coppice working circles at Mohand, Tira, Ránipur, and Sahensra, the last having just been started. The working plans for Mohand and Tira are now practically ready, and those for the other two will be completed for incorporation in the general working plan. In the Sahensra coppice 40 acres were cut over, fetching Rs. 80; 407 standards were left. Compartment 7 in Mohand and compartment 11 in the Tira coppice areas were sold to contractors for Rs. 535 and Rs. 410 respectively, 835 and 737 trees being left as standards. Compartment 6 of Ránipur coppice, areas 55 acres, was also sold to a contractor for Rs. 300. The work was in all cases done in a satisfactory manner, that at Sahensra particularly so.

49. In the Jaunsar Division the following work was done :—

Kalsi Coppice Working Circle.

19 acres in compartment 6 and 4 acres in compartment 5, Haripur, were coppiced, 426 trees being left as standards. The outturn was 107 cubic feet timber and 56,665 cubic feet of firewood and 8,404 cubic feet of charcoal. The timber was partly supplied to the Military Works Department and partly sold locally, the firewood and charcoal mostly to the Commissariat and partly to the Brewery.

Korwa Coppice Ban Oak Working Circle.

Sub-compartment 16, Korwa II, 4 acres and 2 acres of Korwa I were felled over, yielding 14,510 cubic feet of oak firewood which was supplied to the Commissariat and the Brewery.

Kharshu Coppice Working Circle at Gidikhad.

Sub-compartment 5, area 3·5 acres, was cut, yielding 9,380 cubic feet of firewood, chiefly oak, which was supplied to the Commissariat.

The Divisional Officer remarks that the resulting shoots from last year's coppicing operations are most disappointing, and in fact the same may be said of all previous coupes, though it is particularly marked in that of 1892-93, and that artificial reproduction on a large scale will have to be resorted to in order to restore the forest to anything like its original state. The Conservator wishes to see the coupes once more, and will then report as it may be advisable to stop the coppicing and cut by selection or otherwise instead.

Forest Garden.

Compartment 3, area 1·5 acres, was coppiced and yielded 1,200 cubic feet firewood and 650 cubic feet charcoal.

(5) Bamboo Exploitation.

50. The Johra, Danda, and Partitnagar blocks were not entirely done, as no sale, owing to the scare of a flood at Hardwár, was to be had. The results of departmental working were the extraction of 6,501 scores, of which 2,501 scores could only be sold for Rs. 760.

In the Assarori block 592 bamboos were removed from the thinnings, which were sold for Rs. 41.

(6) Unregulated fellings.

51. Such fellings are practically now reduced to the removal by free grantees in Jaunsár of inferior species required by them, and to the similar exercise of concessions in Dehra Dún and Saháranpur. From the Malkot forests 1,224 trees, 2,110 cubic feet were thus taken. The Jaunsár concession ought, the Divisional Officer remarks, to be regulated, and in this the Conservator agrees and hopes it may not be long before, after discussion with the Superintendent, he can put the matter before Government, for in the forests under working plan it is clear that outsiders should not cut exactly where they like, but should do it under supervision, it being understood that as little inconvenience as possible would be caused them.

(e) *Extraction and transport of major forest produce by land and water.*

52. *By land.*—There is nothing particular to add to the remarks made last year, except that the new roads constructed during the year along the forest boundary in the Dehra Dún Division tended to facilitate export. In the Sahárunpur Division the improvement of the Hardwár-Khara road and of the road from Dholkhand to Roorkee, which are the principal export lines require to be completed as soon as possible.

In the Jaunsár Division the Thadiar sledge road was worked till November, when all export from the Deota forest was finished; the total number of pieces exported was 44,595 during the time. The Bamsu sledge road was completed in March 1894 and sledging commenced in April, 30,715 pieces being brought down before the end of the year. The upper and lower sections of this road are connected by three spans of wire tramway, by which means the sleepers and other pieces are lowered over the cliff which separates the two sections. 6,500 metre gauge sleepers were sent down at a cost of Rs. 176; the carriage of the same on men's backs would have cost Rs. 400. The work was, however, slow and tedious until lately, owing to the absence of a second or guide line, and now with its help, the speed of transit will be much improved.

53. *By water.*—The draft rules for the Ganges river referred to in last year's report did not appear suitable, and the Conservator on reconsideration thinks that those already existing will be sufficient. There is not much timber work going on, except the export of some deodár and pine wood from the forests of Tehri-Garhwál (Bhagirathi Valley) by Mr. M. Towelle of Mandi. If Mr. Towelle and other exporters would only register their marks and otherwise attend to the provisions of the Act and existing rules no difficulties would occur.

In the Jaunsár Division, 11,315 broad gauge sleepers, 99,949 metre gauge sleepers, and 3,535 karis were launched from the Thadiar, Doikhera and Pabar Depóts and floated to Dakhpathar, which they reached in January and were then formed into rafts and despatched for Delhi. But a disastrous flood which occurred on the Jumna on the 8th and 9th February sent adrift about 80,000 of the Government sleepers, half of which were carried below Bogriwala, the number lost in transit being 6,024 sleepers or nearly 6 per cent. of those launched.

54. *Jumna river works.*—The boom was erected at Dakhpathar as usual in November and worked well till 9th February, when the flood carried it away, the iron anchors being torn out of the rock. It was not put up again before the rains. The number of pieces caught at the boom was 146, 356, of which 98,513 consisted of Government timber. The tramway worked well, but had to be laid out again after the flood of the 9th February 1894.

55. The following statement shows the timber trade of the Jumna and Tons during 1893-94:—

Description.		Government departmental timber.	Government timber by purchasers.	Timber from private forests.	Total.
		Number of pieces.	Number of pieces.	Number of pieces.	Number of pieces.
Deodár sleepers...	...	... 120,911	94,949	220,166	436,026
Chír scantlings...	...	... 158	171,669	78,131	249,958
Sál, &c. ...	...	... 11	3,827	125,379	129,217
Total	1893-94	... 121,080	270,445	423,676	815,201
	1892-93	... 88,047	271,320	357,698	717,065

The above shows a considerable increase in the timber trade, especially of timber from private forests.

56. The Jumna river dues amounted to Rs. 7,734 as against Rs. 6,772 in the previous year: the rafting dues of the year amounted to Rs. 6,762 as against Rs. 5,394 in the previous, whereas the boom dues fell from Rs. 1,378 in 1892-93 to Rs. 972 in the current year.

The river rules worked well, and the arrangement whereby merchants' timber was brought down from Damog to Dakhpathar by Government agency proved satisfactory and necessary for the safety of the boom.

(f)—Exploitation of minor forest produce.

57. (1) *Extraction of fodder.*—In the Dehra Dún Division 2,892 loads of fodder were removed as compared with 2,966 in 1892-93, including 186 cartloads of fodder for the Viceroy's Body Guard.

In the Sahâranpur Division Rs. 22 worth of fodder was removed by the owners of dâk ponies and cattle from the Mohand block and by Gujars. The Divisional Officer is of opinion that cutting of fodder grass by villagers could be permitted on a large scale if some of the many areas in the Western Range now open and badly requiring rest for reproduction were closed. In the Jaunsâr Division there is hardly any revenue from this source, 40 headloads having been only removed and Rs. 18 realized by the sale of dry grass stored in the depôts.

58. (2) *Grazing.*—Form No. 55 gives the grazing statistics for the year.

In the Dehra Dùn Division the actual head of cattle grazing in the open areas is as follows:—

Description.	Acres per head of cattle.		Head of cattle.	
	1892-93.	1893-94.	1892-93.	1893-94.
Village cattle*	3 42	3 49	17,571	34,964
Other cattle			23,624	11,280

The Divisional Officer of Sahâranpur reports that the open forests are very much over-grazed, especially in the Western Range, and that no benefit is likely to result from the partial closure of certain of the blocks, since during a greater part of the year too large a number of Gujars' buffaloes and villagers' cattle graze in it. He recommends the separation of grazing and non-grazing areas once for all, and the limitation of the number of outsiders' cattle. The matter will receive attention in the working plan under preparation. In the Jaunsâr Division there is nothing in particular to be noted. The grazing is ample for the village wants, and if it were not for firing, and for the increase in the number of goats kept, would do but little harm even to reproduction. Gujars however are troublesome and do a good deal of damage.

59. (3) *Miscellaneous produce*—.In the Dehra Dún Division no gum was extracted from the semla (*Bauhinia retusa*) trees in the Malkot forest; but the extraction of the gum in the Jumna and Timli forest, where the tree is also found, was leased for Rs. 235.

In the Sahâranpur Division bamboos were cut departmentally in Rânipur; those in Khajnawar were cut by a contractor under special supervision, in order to clean the clumps cut, while Sukh, Dholkhand, Betban, and Chirak blocks were leased to contractors. The northern half of Maiapur block was worked by passes for the convenience of the basket makers of Hardwâr. The order to cut bamboos within 1 foot of the ground was well observed in Mohand and Chirak, and fairly well in Betban, but indifferently in Dholkhand. There is a tendency for the revenue from this source and from minor produce to fall off. The total number of bamboos exported was nearly half less than in 1892-93, and the revenue was less by Rs. 2,538.

No purchaser could be found for the 20 maunds of dhak (*Butea frondosa*) gum collected departmentally in Pathri forest. Lac has also been extinct, as reported in paragraph 40. The insect does not seem to be able to stand cold wet seasons.

* The village cattle are for one year and a half; hence the number is double.

The export of grass and other minor produce through revenue chaukis has also considerably decreased. It seems that the means of communication and export have improved in the Central and Oudh Circles, and the produce of those forests is believed to be of better quality; and so purchasers from the east of the Ganges do not come across to the Saháranpur district.

60. *Resin.*—In the Jaunsár Division the tapping of pines for resin continued. No new trees were operated on, but about 3,900 trees previously worked were again tapped. 639 maunds of resin were collected at a cost of Re. 1,168. The cost of collection was about Re. 1-13-3 per maund against Re. 1-8-0 in the previous year, owing to the flow of resin from trees previously tapped being less copious than from those tapped for the first time and to a greater amount of labour required in collecting a given weight of resin. The follwing shows the cost of resin operations during the year:—

	Rs.
Collection of 639 maunds of crude resin	1,168
Price of boxes, tins, earthen pots, &c.	769
Carriage of 624 maunds of crude resin to Dehra	808
Total ...	2,745

61. *Turpentine and Colophony.*—431 maunds of crude resin were distilled in Dehra, giving 278 maunds of rosin and 44 maunds or 409 gallons of turpentine. A market has now been established for the above products; the North-West Soap Company, Meerut, taking up all the rosin manufactured; and the North-Western Railway, the local Military Works Department, the Medical Department to some extent, the Mussoorie Brewery, and a few other regular customers the turpentine we can supply.

The Conservator has put together the actual results of 4 years' working of the resin operations in the following table:—

Particulars.	1890-91.	1891-92.	1892-93.	1893-94.	Total.
Number of maunds of crude resin collected	201½	299¼	623¼	639	1,763½
" " " sold locally	22	200	3½	15	240¼
" " " sent to Dehra	191	328	639	382	1,540
" " colophony sold	118	253½	380½	278	1,030
" " gallons of turpentine sold or used.	45	168	1,168	624	2,005
Revenue from crude resin ... Rs.	46	800	15	68	929
" " colophony ... "	655	1,397	1,888	1,563	5,503
" " turpentine ... "	127	353	2,510	1,306	4,296
Value of resin and turpentine in stock "	...	...	...	2,773	2,773
Total ... Rs.	828	2,550	4,413	5,710	13,501
Expenditure.					
Capital	305	20	20	...	345
Working—					
Cost of collection	562	561	942	1,168	3,233
" carriage	234	428	766	808	2,236
Dehra expenses	95	260	363	432	1,150
Chakráta	124	218	471	819	2,866
Bags, drums, &c., ...	280	365	589		
Carriage by rail	89	182	254	163	688
Total ...	1,384	2,014	3,385	3,390	10,173

The net results consequently are.—

	Rs.	Rs.
Revenue		13,501
Expenditure, working	10,173	
10 per cent. of capital	35	
		10,208
Profit		3,293

on 1,763½ maunds of resin collected.

This is equivalent to very nearly Rs. 1-14-0 per maund profit. In 1891-92 200 maunds were sold in Chakráta at 4 Rs. per maund, which of course is much better; but it is believed that the purchaser lost money over it and since then there has been very little demand for crude resin. The introduction of a new industry is an important matter, and it is satisfactory to be able to show that the work pays. Were there a road along the Tons valley, the industry might be extended easily so as to supply, not only the present, but a much larger demand; and now that a new customs tariff taxes the imports of resin and turpentine into India, there is every reason for customers to get their supplies from the local industry. At the suggestion of the Inspector-General, proposals are being prepared for increasing the number of stills and building a small shed for the work.

62. *Deodar oil.*—About 7 maunds of deodár oil has been distilled at Deota from the resinous chips of the deodár wood. The cost, including carriage to Chakráta, amounted to Rs. 41-11-0. It is being tried by one or two purchasing firms, but the result is not yet known.

63. *Chir tar, and pitch.*—The demand for these articles has not improved, but small indents are being received and small quantities sent out for trial. The effects of the new customs tariff ought to be perceptible in the case of all these products.

64. Nothing further has been heard of the proposal to use fir wood for the manufacture of matches; but the question of its utilization for making tea boxes has been under discussion, and it is very probable that before long the Dún tea planters will get their supplies from Dakhpathar and enable us to dispose of much of our surplus fir wood, of which there is a large supply and for which the demand is at present insufficient. Enquiries have been made for woods of pretty grain for brush backs, and similar articles, and every endeavour will be made to assist in their being procured, through the medium of the purchasers of coupes.

CHAPTER III.

Gross yield and outturn of forest produce.

YIELD AND OUTTURN OF FOREST PRODUCE.

65. Forms Nos. 57 and 58 show the gross yield and outturn of the produce of the forests by the several agencies by which the forests are exploited; whilst form No. 59 is confined to operations conducted by the department directly. All the figures in this chapter are extracted from these three statements.

With reference to the remarks made in paragraph 18 of last year's review, the figures for the forest year 1892-93 have been separated as far as possible for the twelve months July 1892 to June 1893, so that all the figures quoted in this chapter relate to the forest year only.

DEPARTMENTAL OPERATIONS.

66. The following statement is an abstract of forms 57 and 58, so far as departmental operations are concerned, compared with the figures of the previous year, for

which, as regards timber, it has not been found possible to separate the produce under each class of fellings.

Produce.	Year. 1892-93.	Year. 1893-94.	Increase.	Decrease.
Timber.	C. ft.	C. ft.	C. ft.	C. ft.
(1) Selection fellings	...	307,103	...	...
(2) Coppice "	...	887	...	...
(3) Improvement fellings	...	12,521	...	...
(4) Unregulated "	...	1,673	...	...
(5) Clearances "	...	514	...	...
(6) Drift wood "	...	8,421	...	...
(7) Dry and fallen wood	...	27	...	...
Total, timber ...	290,812	331,146	40,334	
Firewood ... ... C ft.,	433,154	263,293	...	169,861
Bamboos ... ... No.	196,265	178,316	...	17,949
Grazing and fodder grass ... ... Rs.	68	29	...	39
Minor produce ... ... "	6,585	5,696	...	889

The increase in the outturn of timber is due to a larger number of sleepers having been sawn in Jaunsár Division, the railway indents having been only for 50,000 last year instead of one lakh as usual. This is partly counterbalanced by less timber sawn for supply to the Military Works at Chakráta, and to the Thano coupe having been sold standing instead of being worked by the Department.

The large decrease in firewood is accounted for by the departmental works in the Thano forest of the Dehra Dún Division having been given up, to a portion of the Lachiwala coppice having been leased to a purchaser, and to no work having been undertaken in the Suswa coppice, resulting in a decrease of 116,744 cubic feet. In the Saháranpur Division the decrease of 37,094 cubic feet is also accounted for by coppice areas having been leased to purchasers instead of having been done departmentally as in previous year. There is only a small decrease in Jaunsár.

The falling off in bamboos occurs in the Dehra Dún Division, due to less sales on account of the anticipated flood at Hardwár by the bursting of the Gohna lake.

The falling off in minor produce and grazing is unimportant and calls for no special remarks.

66. Work by departmental agency was conducted to some extent in all divisions, but it is only in the Jaunsár Division that it is regular and of importance. In that division the work consists in the supply of sleepers to the Bombay, Baroda, and Central India, as also to the North-Western Railway, the supply of timber for the Military Works Department, Chakráta, and the supply of fuel to the Commissariat Department and preparation of chír and kaíl karis for sale. The outturn of the year was as follows :—

		No.
Broad gauge and metre gauge sleepers		127,771
Chír karis		24,513
Timber for Chakráta supply	c. ft.	6,253
Firewood	"	216,155

In the Dehra Dún Division the departmental works consisted in preparing sál, &c., karis in the Thano forest, which was closed early in the year, and to the collection of drift timber on the Ganges, also to working a portion of the Lachiwala coppice for supply of firewood.

In the Saháranpur Division the work consisted in supply of timber for departmental works, 1,115 cubic feet being used, and to the collection of drift wood from the Ganges.

An account of timber and produce cut and collected by Government agency and brought to sale depôts during the year will be found in form No. 59. The following is an abstract of the details shown in the form :—

Receipts.	Number or quantity.	Cubic feet.	Disposals.	Number or quantity.	Cubic feet.
Balance in hand at the commencement of the year.			*Removed by purchasers from depôts.*		
Timber	147,372	231,472	Timber	132,877	214,189
Firewood and charcoal ...	...	197,032	Firewood and charcoal ...	...	373,872
Bamboos... ... No.	20	...	Bamboos ... No.	96,526	
Resin ... ... mds.	386—37	...	Resin ... mds.	15—37	
Turpentine ... gallons	980	...	Rosin ... "	278	
Deodár oil ... mds.	3—0	...	Turpentine ... gallons	1,301	
Chír and kail tar ... "	55—5	...	Deodár oil ... mds.	2	
Harra and Bahera fruit "	9—20	...	Grass pulas, &c No.	5710½	
Lime	...	235	Harra and Bahera fruit, mds.	9—20	
Received from forests in depôts.			*Sold locally.*		
Timber	181,041	291,096	Timber	16,060	30,514
Firewood and charcoal ...	...	2,91,700	Firewood and charcoal ...	...	17,636
			Converted in depôts or transferred to other divisions.		
Bamboos ... No	177,836	...			
Resin ... ... mds.	639	...	Timber	222	372
Rosin ... ... "	285	...	Resin ... mds.	431	
Turpentine ... gallons	408	...	Chír and kail tar and pitch "	14	
Chír and kail tar ... mds	14	...	Turpentine ... gallons	1	
Deodár oil ... "	7	...	Kino gum ... seers	20	
Kino gum ... "	20	...			
Lime	...	20	*Lost or written off.*		
Grass pulas, &c. ... No.	5,710½	...			
			Timber ...	1,870	3,650
Received from the forests and sold locally.			Firewood and charcoal ...	...	2,183
			Sales of drift timber, &c.		
Timber	16,060	30,514	Timber	1,105	3,877
Firewood and charcoal ...	...	17,636	Firewood and charcoal ...	...	57,025
			Bamboos ... No.	480	
Received form the forests for departmental use.			*Used by department.*		
Timber	575	1,115	Timber	20,681	17,635
			Firewood and charcoal ...	...	3,272
Received by Departmental collection from the Ganges and Jumna.			Bamboos ... No.	1,324	...
			Turpentine ... gallons	6	
			Chír and kail tar ... mds.	16	
			Deodár oil ... "	4	
Timber	1, 58	6,786	Lime	...	155
Firewood and charcoal ...	...	53,775			
Bamboos ... No.	480	...			
			Balance at close of the year.		
			Timber	173,691	290,746
			Firewood and charcoal ...	...	106,245
			Bamboos ... No.	80,006	
			Resin ... ... mds.	579	
			Rosin ... ... "	7	
			Turpentine ... gallons	80	
			Deodár oil ... mds.	4	
			Chír and kail tar "	40	
			Kino gum ... "	19--20	
			Lime	...	100
Total.			*Total.*		
Timber	346,506	560,983	Timber	346,506	560,983
Firewood and charcoal ...	...	560,283	Firewood and charcoal ...	...	560,283
Bamboos ... No.	178,336	...	Bamboos ... No.	178,336	
Resin ... ... mds.	1,025	...	Resin ... ... mds.	1,025	
Rosin ... ... "	285	...	Rosin ... ... "	285	
Turpentine ... gallons	1,388	...	Turpentine ... gallons	1,388	
Deodár oil ... mds.	10	...	Deodár oil .. mds.	10	
Chír and kail tar and pitch "	69	...	Chír and kail tar and pitch "	69	
Kino gum ... "	20	...	Kino gum ... "	20	
Harra and Bahera fruit "	9—20	...	Harra and Bahera fruit "	9—20	
Lime	...	255	Lime	...	255
Pula grass and loads No.	5,710½	...	Pula grass and loads No.	5,710½	

68. The following statement is a general summary of the produce removed by purchasers and consumers as compared with that of the previous year :—

Produce.		Year. 1892-93.	Year. 1893-94.	Increase.	Decrease.
Timber.					
Selection fellings ...	... ...	619,070	228,019		
Clean „ ...	... ..		64,916		
Improvement „ ...	... ...		98,815		
Thinnings „ ...	... ...		818		
Unregulated „ ...	... ..		901		
Drift wood „ ...	... ...		92,108		
Dead and dry fallen wood	... ...		3,918		
	Total ...	619,070	489,645	...	129,425
Firewood	c. ft.	427,738	273,986	...	153,752
Bamboos	No.	1,335,304	1,322,984	...	12,320
Grazing and fodder grass...	Rs.	22,824	26,549	3,725	...
Minor produce ...	„	14,650	20,068	5,438	...

The falling off in timber is accounted for by fewer standing deodár and chir trees sold in the Jaunsar Division. 130,790 cubic feet, also to the lesser outturn in the Saháranpur Division, 12,153 feet, while the removal in the Dehra Dún Division, chiefly drift, shows an improvement, 13,519 cubic feet more having been exported. There was a falling off in the export of firewood in the Dehra Dún and Saháranpur Division, which is partly accounted for by the adoption of revised data for the conversion of removals in communication with the other circles. The increase under grazing dues is mainly owing to the collection in the Dehra Dún Division of dues for a year and a half on resident villagers' cattle, to bring it in accord with the new rules on the subject ; while that under minor produce is accounted for by better prices realized at auction sales, especially in the Saháranpur Division.

69. The following statement shows the free grants of produce made during the year :—

Produce.		Year. 1892-93.	Year. 1893-94.	Increase.	Decrease.
Timber.		C. ft.	C. ft.	C. ft.	C. ft.
Dead and fallen wood	...	...	40	...	...
Total	...	11,708	40	...	11,668
Firewood ...	...	785,448	4,000	...	781,448
Bamboos ...	No.	500	...	...	500
Grazing and fodder grass	Rs.	9 248	...	...	9,248
Minor produce ...	"	520	...	...	520

The special free grants of the year consisted of the grant of 40 cubic feet of shisham wood for a dharamshàla at Gohri, in the Dehra Dún Division, and of 4,000 cubic feet of firewood to the MacLaren Leper Asylum in Dehra. The large decrease shown is merely nominal ; timber, firewood, &c., granted to village communities in terms of the settlement and hitherto shown under this head have, by the orders contained in paragraph 19 of the last year's review, been omitted and entered against rightholders.

70. The following shows the produce removed by rightholders and under privileges :—

Produce.		Years. 1892-93.	Years. 1893-94.	Increase.	Decrease.
Timber.		C. ft.	C. ft.	C. ft.	C. ft.
(1) Selection fellings	...	...	86,181	...	...
(2) Clean fellings	...	...	4,468	...	...
(3) Unregulated fellings	...	...	2,110	...	...
Total timber	...	...	92,759	92,759	...
Firewood and charcoal	...	482,885	1,403,671	920,786	...
Bamboos ...	No.	...	290	290	...
Grazing and fodder grass	Rs.	1,207	6,814	5,607	...
Minor produce	„	...	2,000	2,000	...

The increase is only nominal, due, as explained in the previous paragraph, to produce removed by village communities, and hitherto shown under "free grants" being now shown under this sub-head. In the Jaunsár Division most of the villagers removed their free grant trees and produce, which they were unable to do last year on account of cholera and famine. In some cases, extra trees from the uncut balance of the previous year were granted, which mainly accounts for the increase during the year.

71. The following is a summary of the produce removed from the forests by divisions, as abstracted from forms Nos. 57 and 58 as contrasted with the previous forest year for which the figures have, with reference to the remarks of Government in last year's review, been now separated :—

Division.	Timber.		Fuel.		Bamboos.		Grazing dues and fodder grass.		Minor produce.	
	1892-93 forest year.	1893-94 forest year.	1892-93 forest year.	1893-94 forest year.	1892-93 forest year.	1893-94 forest year.	1892-93 forest year.	1893-94 forest year.	1892-93 forest year.	1893-94 forest year.
	C. ft.	C. ft.	C. ft.	C. ft.	No.	No.	Rs.	Rs.	Rs.	Rs.
Dehra Dún ...	204,050	205,927	655,655	539,449	652,880	1,048,075	5,113	10,540	5,098	6,473
Saharánpur	30,750	18,125	477,146	230,017	813,989	431,325	16,427	16,016	9,429	13,025
Jaunsar	685,881	689,538	996,424	1,175,484	65,200	22,190	11,797	6,836	7,208	8,266
Total ...	921,590	913,590	2,129,225	1,944,950	1,520,069	1,501,590	33,347	33,392	21,735	27,764

CHAPTER IV.

Financial Results.

72. Forms Nos. 61, 62, 63, 64, and 65, appended to the report, contain the financial figures of the year.

The revenue and expenditure of the year were as follows:—

(i) *For the financial year* 1*st April* 1893 *to* 31*st March* 1894.

		Rs.	Rs.
Revenue ...			4,59,951
Expenditure ...	A. Conservancy and works ...	1,96,103	
	B. Establishment ...	1,01,807	
			2,97,910
	Surplus ...		1,62,041

(ii) *For the forest year* 1*st July* 1893 *to* 30*th June* 1894.

			Rs.
Revenue ...			3,78,431
Expenditure ...	A. Conservancy and works ...	1,99,983	
	B. Establishment ...	1,02,646	
			3,02,629
	Surplus ...		75,802

The difference is due chiefly to a large payment for sleepers delivered having been made between April 1st and July 1st, 1893, though properly creditable to the year 1892-93.

73. The following statement shows the receipts, expenditure, and surplus during each of the last five financial years, as also those of the forest years 1892-93 and 1893-94 :—

	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.	1892-93 forest year.	1893-94 forest year.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipt	4,32,660	3,48,528	4,39,272	2,99,845	4,59,951	3,99,055	3,78,431
Expenditure ...	2,71,104	2,66,613	2,77,717	2,87,851	2,97,910	2,86,027	3,02,629
Surplus ...	1,61,556	81,915	1,61,555	11,994	1,62,041	1,13,028	75,802

The financial results for the forest year were not as good as those of the previous year, for the same reason as explained in the last paragraph ; those of the financial year were very good, the revenue both gross and net being the highest yet obtained.

74. The following table compares the chief financial details of both the financial and the forest years with those of the financial and forest years of 1892-93 :—

Receipts and expenditure under the headings " Departmental timber operations ", " Other revenue " and " Organization, &c.", of forests :—

Year.		Departmental timber operations.			Other revenue.			Organization, improvement and extesion of forests.	Net surplus.
		Receipts.	Charges.	Surplus.	Receipts.	Charges.	Surplus.		
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Forest year ...	1893-94 ...	2,39,314	1,67,395	71,919	1,39,117	42,699	96,418	92,535	75,802
	1892-93 ...	2,32,600	1,64,695	67,905	1,66,455	36,679	1,29,776	84,653	1,13,028
Financial year	1893-94 ...	3,13,186	1,72,172	1,41,014	1,46,765	36,221	1,10,544	89,517	1,62,011
	1892-93 ...	1,38,133	1,64,763	−26,630	1,61,712	37,399	1,24,313	85,689	11,994

75. The following tables show the totals of receipts and expenditure under each budget head for the forest and financial years 1893-94, as compared with those of the previous forest and financial years respectively :—

Receipts.

Years.		Budget heads.					Total.	Remarks.
		I.	II.	III.	IV.	V.		
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Forest year ...	1893-94 ...	2,36,071	1,26,509	3,861	7,734	4,256	3,78,431	
	1892-93 ...	2,28,602	1,53,880	6,686	5,569	4,318	3,99,055	
Financial year	1893-94 ...	3,10,109	1,35,754	4,119	5,954	4,015	4,59,951	
	1892-93 ...	1,33,313	1,47,714	6,836	6,773	5,209	2,99,845	
Forest year. ...	Increase ...	7,469	...	...	2,165	...	20,624	
	Decrease ...	...	27,371	2,825	...	62		
Financial year	Increase ...	1,76,796	...	...	...	...	1,60,106	
	Decrease ...	...	11,960	2,717	819	1,194		

Expenditure.

Year.		A.—Conservancy and works. Budget heads. I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	Total.	B.—Establishment. Budget heads. I.	II.	III.	Total.	Grand total A and B.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Forest year.	1893-94 ...	1,18,234	3,154	2,015	1,987	11,150	5,556	29,719	26,337	1,831	1,99,983	89,475	8 621	4,550	1,02,646	3,02,629
	1892-93 ...	1,11,887	1,511	2,739	4,471	11,501	4,336	29,350	24,240	3,355	1,93,390	80,822	6,935	4,880	92,637	2,86,027
Financial year.	1893-94 ...	1,14,749	1,855	2,239	2,081	11,501	3,865	32,120	25 119	2,574	1,96,103	89,567	7,744	4,496	1,01,807	2,97,910
	1892 93 ...	1,13,106	1,657	2,489	4,449	11,501	4,162	26,491	25,667	4,215	1,93,737	81,786	7,291	5,037	94,114	2,87,851
Forest year.	Increase ...	6,347	1,643	...	...	...	1,220	369	2,097	...	6,593	8,053	1,086	...	10,009	16,602
	Decrease ...	...	...	724	2,484	351	...	...	...	1,525		...	...	330		
Financial year.	Increase ...	1,643	198	...	...	...	...	5,629	...	...	2,368	7,781	453	...	7,695	10,059
	Decrease ...	...	...	250	2,368	...	297	...	548	1,641		...	...	541		

As compared with the forest year 1892-93, the receipts of the current forest year show a falling off of Rs. 30,258. This is mainly accounted for by fewer standing deodár trees having been sold in the Jaunsár Division, to less recoveries on account of grazing dues from resident villagers' cattle both in the Dehra Dún and Saháranpur Divisions, to fewer bamboos exported in the same Divisions, and to less drift timber collected and sold on the Ganges and Jumna. This is partly counterbalanced by increased sales of timber and especially of firewood to the troops at Chakráta, and by Jumna river dues, amounting to Rs. 7,469 and Rs. 2,165 respectively.

The expenditure of the year was, however, more than that of the previous year by Rs. 16,602, of which Rs. 10,009 occur under "B.—Establishments" charges alone. The increased expenditure under "A.—Conservancy and Works," amounted to Rs. 11,676, mainly under Departmental firewood works in the Jaunsár Division, to payment of arrears of lambardars' fees for collection of grazing dues in the Saháranpur Division, to purchase of an elephant for the Dehra Dún Division, and increased charges, especially under fire conservancy. Against this a saving of Rs. 5,083 is set off especially under Jumna river works and refund.

The increase under "B.—Establishments" occurs mostly under "Salaries of Conservators" due to the Officiating Conservator drawing pay in addition to the permanent incumbent, to salaries and travelling allowances of superior officers due to an Assistant Conservator being attached for a portion of the year, also to the promotion of officers and payment of exchange compensation allowance, resulting in a net increase of Rs. 10,009.

76. The difference between the value of timber and other produce, and of live and dead stock in hand at the beginning and at the close of the year, was as follows :—

	Timber, &c.	Live and dead stock.
	Rs.	Rs.
Value on 1st July 1893	2,27,251	1,01,048
„ 30th June 1894	2,59,045	1,05 274
Difference ...	+ 31,794	+ 4,226
Total balance in favour of the year		36,020

77. The outstandings on account of revenue have increased from Rs. 33,335 at the commencement of the year to Rs. 46,580 at the close. In Dehra Dun Division it has fallen off by Rs. 2,839, chiefly on account of better collection from lessees of timber, while in the Saháranpur and Jaunsár Divisions there have been increases of Rs. 2,283 and Rs. 12,800, respectively, due to in the former to grazing dues from resident villagers' cattle which could not be recovered within the year, and in the latter to outstandings from the Commissariat Department for firewood supplied for the troops at Chakrata.

78 The outstandings on account of contractors and disbursers have decreased from Rs. 31,804 at the commencement to Rs. 30,285 at the close of the year. It is high in the Jaunsár Division, but it must be remembered that in that division labour cannot be obtained without making considerable advances to contractors, to be afterwards recovered by work done.

79. The value of the year's transactions stands as follows :—

	Rs.
Cash surplus	75,802
Add increase in value of timber and stock (form No. 60)	31,794
,, plant (form No. 60A)	4,226
,, outstandings of revenue (form No. 63)	13,245
Total ...	1,25,067
Deduct—	
Decrease in outstandings (form No. 64)	1,519
Total net profit of the year ...	1,23,548

CHAPTER V.

Forest Administration.

80. The charge of the circle was held by Mr. J. S. Gamble throughout the year, except for the period from 4th November 1893 to 3rd January 1894, when he was absent on privilege leave and Mr. A. E. Wild, Conservator of Forests, officiated for him.

81. The divisional charges were held as follows :—

Dehra Dún Division.

Mr. N. Hearle, Deputy Conservator, 1st July 1893 to 31st January 1894.

Pandit Sadanand Gairola, Extra Assistant Conservator, 1st February 1894 to close of year.

Saháranpúr Division.

Mr. A. P. Grenfell, Officiating Deputy Conservator, 1st July 1893 to 26th June 1894.

Pandit Sadanand Gairola, Extra Assistant Conservator, from 27th June 1894 to close of year.

Jaunsár Division.

Mr. E. Mc. A. Moir, Deputy Conservator, 1st June 1893 to 10th March 1894.

Mr. B. B. Osmaston, Officiating Deputy Conservator, 11th March 1894 to close of year.

Pandit Sadanand Gairola was employed in the Jaunsár Division from the commencement of the year to the end of January 1894, in the demarcation of main and chak boundaries.

Mr. N. Hearle proceeded on 10 months' furlough on the 1st February 1894, and Mr. E. Mc A. Moir on 8 months' furlough on 11th March 1894. Mr. A. P. Grenfell went on 3 months' privilege leave on the 27th June 1894.

Mr. H. G. Billson, F. C. H., joined the Circle from Cooper's Hill College in December 1893 as an Assistant Conservator, 2nd grade, and was employed in Direction Division under the Conservator. During January and February he accompanied the Conservator on tour. March and April he spent at head quarters, and went to Lucknow to attend the examinations. In May and June he was employed in Jaunsár in the survey of various plantations and in laying out roads.

The Conservator desires to tender his acknowledgments to the Collector of Saháranpur and the Superintendent of the Dún for their kind help and assistance during the year.

82. The grants for the executive, protective, and office establishments were distributed and utilized as follows :—

Division.	Executive and protective establishshments.					Office Establishments.				
	Permanent sanction per annum.	Temporary sanction per annum.	Total sanction as it stood on 30th June 1894.	Actual charges.		Permanent sanction per annum.	Temporary sanction per annum.	Total sanction as it stood on 30th June 1894.	Actual charges.	
				1892-93 (15 months).	1893-94 (12 months).				1892-93 (15 months).	1893-94 (12 months).
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction ...	...	...	...	...	...	2,964	1,328	4,292	5,575	4,292
Dehra Dún	8,298	891	9,189	11,062	8,716	2,304	276	2,580	3,213	2,555
Saháranpur	6,783	326	7,109	8,621	6,933	1,596	231	1,827	2,210	1,761
Jaunsár ...	8,133	1,545	9,678	11,021	9,526	2,172	1,344	3,516	3,629	3,452
Unallotted ...	375	...	375	...	...	120	...	120	...	...
Total ...	23,589	2,762	26,351	31,604	25,175	9,156	3,179	12,335	14,627	12,060

The executive charges remained unaltered. There was but little change in the officers holding them. The orders on the improvement of the staff are still being anxiously looked for, for with an improved staff much improvement in work and in revenue may be expected. It is hoped that they may soon be passed. Forest Ranger Ram Narayan returned from sick leave in February 1894 and was placed in charge of the Ganges Range. Kanhya Lal, who had been under training at the Forest School, obtained the upper class certificate and was appointed with the sanction of Government to be a Forest Ranger, 6th grade, on the temporary establishment. He was placed in charge of the Rámgarh Range of the Dehra Dún Division. One private student was deputed to the Imperial Forest School on a stipend in July 1893, but the progress made by him being considered insufficient, he was allowed to leave in April 1894.

On 30th June 1894 this circle had at the school only two students, *viz.*, Daya Ram and Bhikan Lal, stipendiaries in the lower class.

83. The 15 ranges were held as follows at the close of the year :—

	Rs.	Number of ranges.
Forest Ranger, 2nd grade	120	1
" 3rd "	100	1
" 5th "	60	4
" 6th "	50	3
" 6th "	50 (temporary)	1
Forester 1st grade	40	1
" 2nd "	35	1
" 3rd "	30	2
" 5th "	20	1
	Total ...	15

one out of the ten forest rangers being on the temporary establishment. The Conservator is anxious to establish a fourth range in Saháranpur, as the experience of the past year, especially in the fire season, has shown that the Western Range is too large for one charge. This can probably be done without any increase of expenditure.

84. The following statement shows the number of trained rangers and foresters in the Circle. On the 30th June 1894 we had a provincial staff of—

	Upper class certificate.	Lower class certificate.	No certificate.
Extra Assistant Conservator	1	...	...
Forest Rangers	2 *	7	1
Foresters	...	5	5
Total	3	12	6

* Including the forest ranger on temporary establishment.

85. The Conservator is glad to acknowledge the services of all the officers on the controlling staff. Mr. Grenfell had exceptionally hard work to do during the fire season, which deserves notice. The work done by Pandit Sadanand Gairola, Extra Assistant Conservator, both in Jaunsár and in charge of the Dún Division, was excellent as usual.

86. 2nd Grade Forest Ranger Rama Dutt, in the Tehri-Garhwál leased forests, deserves especial commendation for his work on the Bamsu sledge road,—an admirable work which he carried out with great success.

Forest Ranger Pirbhu Lal in the Saháranpur Division and Forest Ranger Har Swarup in Dehra Dún Division have been especially commended for their good arrangements in fire protection. Forest Rangers Gulab Rai and Madho Ram in Jaunsár, also Foresters Akbar Ali and Jaimal Singh in Dehra Dún and Dharam Singh in Jaunsár, have been specially commended by Divisional officers.

On the other hand, the work of Forest Ranger Ram Narayan and Forester Nathu Singh in Dehra Dún, and of Forest Ranger Pancham Singh and Forester Sobha Ram in Saháranpur, especially in fire protection, has not been satisfactory.

The protective staff has worked well in Jaunsár and the central range of Sáharanpur; fairly well in the Dún, except in part of the Tirsal and in the Ganges Range; and badly in those localities and the Eastern and Western Ranges of Saháranpur.

87. The Conservator is glad once more to acknowledge the excellent work done by the head clerk, Babu Kashishwar Mukerjee, and his office staff. The Dehra Dún divisional officer especially commends the head clerk Lála Permeshwar Sahai, and the Jaunásr divisional officer the second clerk, Lachman Singh.

88. The *health* of the establishment is reported from Jaunsár to have been unusually good, and from Saháranpur to have been good, except for the death of 4 forest guards from different causes during the year.

89. *Elephants.*—The elephant belonging to the Dehra Dún Division died during the year, and another was purchased in its place. At the end of the year all three elephants were in good health.

DATED DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle,
N.-W. P. and Oudh.

ANNUAL STATEMENTS

AND

APPENDICES.

[Form No. 46

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF RESERVED FORESTS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1894.		Number and date of Notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
Naini Tal.	Ranikhet ...	Almora ...	Ranikhet Reserve ...	5,076	8	...	...	5,076	8		
	Ditto ...		Baldhoti " ...	...	...	244	* ...	244	...	* 1030F / 593A. 9, dated 19th December 1893.	
	Ditto ...		Kalimath " ...	...	...	46	...	46	...		
	China ...	Naini Tal ...	Naini Tal " ...	14,520	23	...	...	14,520	23		
	Manora ...										
	Ditto ...	Ditto ...	Dolmar Mora " ...	4,086	6	...	...	4,086	6		
	Gagar ...	Ditto ...	Gagar-Ninglat " ...	11,853	19	(a) 24	...	11,877	19		(a) Revision of areas.
			Total ...	35,535	56	314	...	35,849	56		
Kumaun.	Dechauri ...	Naini Tal ...	Dechauri ...	Dechauri. 18,788	29	(a)435	...	33,239	52		The names of the Ranges as now given are in accordance with the new Working Plan of the Division.
	Fatehpur ...		Fatehpur ...	Fatehpur. 29,002	45			26,389	41		
	Chakhata ...		Chakhata ...	Dolmar-Mora Beluti. 3,848	6			26,107	41		
	Nandhaur ...		Nandhaur ...	Chakhatta. 59,884	93			48,503	76		
	Jaunla Sál ...		Jaunla Sál ...	Horai. 4,400	7			51,853	81		
	Dogari ...		Dogari ...	Chaubhansi. 132,233	207			43,775	68		(a) Revision of area.
	Sarra Nadi ...		Sarra Nadi ...	Jaunla Sál. 42,708	67			17,059	27		
	Sarda ...		Sarda ...	Kalonia. 4,286	7			56,940	89		
				Chini. 4,387	7						
				Sarda Islands. 3,491	5						
				Chandani. 403	1						
				303,430	474	435	...	303,865	475		

[Form No. 46.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF RESERVED FOREST, 1893-94—(*concluded*).

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres	Area on 30th June 1894. Equivalent in square miles.	Number and date of Notification of addition or transfer.	Remarks.
Garhwál.	Ramganga ..	..	Reserve No. I, Kotri Dun Block, Kalagarh ...	5,695 4	9	...	...	5,695 4	9		
	Adnala ...	Garhwál ...	Reserve No II, Pathi Dun ...	1,33,560 2	209	...	...	1,33,560 2	209		
	Mandal ...	..									
	Ramganga ..										
	Mandal .	Naini Tal ...	Reserve No. III, Kartia ..	847 0	1	...	...	847 0	1		
	Chilkia, Malani,	..	Reserve No. IV, Chilkia ..	82,698 6	129	...	...	82,698 6	129		
	Kota ..	...	Reserve No. V, Kota ..	43,022 6	67	...	...	43,022 6	67		
			Reserve No VI, Dabka ...	7,555 0	12	...	...	7,555 0	12		
	Jaspur ...	Bijnor ...	Reserve No. VII, Garhibulchand	11,097 6	17	..	...	11,097 6	17		
			Reserve No VIII, Behar .	16,644 0	26	.	.	16,644 0	26		
			Total ...	301,120	470	...	..	3,01,120	470		
Ganges.	Palain ...	Garhwál ..	Palain Reserves	33,292	52	...	...	33,292	52		
	Kohtri ...		Kohtri ditto	43,710	68	...	...	43,710	68		
	Sona Nadi ...		Sona Nadi ditto	54,096	84	...	...	54,096	84		
	Udepur .		Udepur ditto	40,079	63	.	...	40,079	63		
	Lansdowne ...		Lansdowne ditto	13,954	22	..	...	13,954	22		
	Gohri ...		Gohri ditto	39,822	62	...	...	39 822	62		
			Luni ditto	13,397	21	...	...	13,397	21		
	Chandi ...	Bijnor ..	Hazara, Chandi, &c ..	38,160	60	...	...	38,160	60		
	Mohanwali ...	Ditto ...	Mohanwali	..	..	2,385	...	2,385	7¼	972F / 583A—11, dated 24th November 1893.	These two Forests are managed by the Collector of Bijnor direct.
	Amsot ...		Amsot	...	...	2,393	.	2,393			
			Total ..	276,510 0	432	4,778	.	2,81 288 0	440		
Bunderkhand.	Jhánsi ...	Jhansi ...	Jhánsi Reserves	30,614	48	...	..	30,614	48		
	Lalitpur ...		Lalitpur ditto	88,266	138	...	(a) 10	88,256	138		(a) Revision of area.
			I Ranipur	16,220	25	..	...	16,220	25		
			II Chauri Donda	14,967	23	...	...	14,967	23		
	Bánda ..	Bánda ..	III Manikpur .. .	10,899	17	...	...	10,899	17		
			IV Matdar	6,729	11	...	.	6,729	11		
			V Kolhua	6,182	10	...	...	6,182	10		
			Total ...	1,73,877	272	...	10	1,73,867	272		
			Total, Central Circle .	1,090,472	1,704	5,527	10	1,095,989	1,712		
			Oudh Circle .	794,365	1,241	2,016	1,094	795,287	1,243		
			School Circle ...	460,796	720	1,488	..	4,62,284	722		
			GRAND TOTAL, PROVINCE .	2,345,633	3,665	9,031	1,104	2,353,560	3,677		

DATED NAINI TAL
The 25th September 1894.

Abstract of changes during the year (Central Circle).

			Acres.
Area at commencement of year			1,090,472
Added —	Acres.		
By correction of areas... ...	459		
By reservation of new areas . .	5,068		
		5,527	
Excluded —			
By correction of areas ...		10	
Net increase ...		5,517	... 5,517
Area at close of year			1,095,989

H C. HILL,
Conservator of Forests,
Central Circle.

[Form No. 46.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF PROTECTED FORESTS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1894.		No. and date of Notification of addition or transfer.	Remarks
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
Naini Tal ...	China ...	Naini Tal ...	China	19,442	30	...	(a)1	19,441	30	(a) G. O. $\frac{333F}{156A-2D}$, dated 1st June 1894.	(a) Land sold to the Naini Tal Brewery Company.
	Hinan ...		Budhlakot								
	Do. .		Bhawali								
	Do. ...		Jakh								
	Do. ...		Lariakanta								
	Manora ...		Kuria								
	Do. ...		Nalera								
	Seoni ...	Almora ...	Machor	146	...	...	...	146	...		
	Do. ...		Bhatronj	5,828	9	...	...	5,828	9		
	Do. ...		Seoni	4,432	7	...	...	4,432	7		
	Do. ...		Siun	700	1	...	...	700	1		
	Do. ...		Bellekh	942	2	...	...	942	2		
	Do. ...		Kathallekh	1,812	3	...	...	1,812	3		
	Ranikhet ...	Ditto ...	Ganiadeoli	889	1	...	...	889	1		
	Do. ...		Karchuli	213	1	...	...	213	1		
	Do. ...		Chillianao	630	1	...	...	630	1		
	Do. ...		Chaubattia, east and west,	1,208	2	...	...	1,208	2		
	Do. ...		Padholi	920	2	...	...	920	2		
	Do. ...		Dwarson	1,519	2	...	...	1,519	2		
	Do. ...		Siahi Devi	2,064	3	...	...	2,064	3		
	Do. ...		Airadeo	16,757	26	...	...	16,757	26		
			Total ...	57,602	90	...	1	57,501	90		
Bundelkhand ...	Lalitpur ...	Jhánsi ...	Talbehat	2,846	4	...	...	2,846	4	Notification No. $\frac{869F}{638-44}$, dated 17th October 1893.	
		Garhwal ...	Unmeasured lands of the Districts managed by Deputy Commissioners.	Area not known.							
		Almora ...									
		Naini Tal ...									
			Total Central Circle ...	60,348	94	...	1	60,347	94		
			Oudh Circle ...	...	...	*Nil.*	...	...	...		
			School Circle ...	...	...	*Nil.*	...	...	...		
			Grand Total, Province ...	60,348	94	...	1	60,347	94		

Abstract of changes during the year (Central Circle).

	Acres.
Area at commencement of year	60,348
Excluded	1
Area of close at year	60,347

NAINI TAL:
Dated the 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

[Form No. 46.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF UNCLASSED FORESTS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.	Remarks.
Ganges	...	Garhwál ...	Garhwál District Forest ...	...	...	Not known.		...	...	...	These forests are administered by the District Authorities, but the Forest Department registers the outturn of timber and produce from them, *vide* Forms 57 and 58.
Bundelkhand.	Bánda ...	Bánda ...	*I.—Ranipur Kalianpur.*								
			Nihi	2,109	9	...	...	2,109	9		
			Maholi	949				949			
			Kalianpur	2,671				2,671			
			Total ...	5,729	9	...	...	5,729	9		
			II.—Chauri Donda.								
			Karauhan	729	2	...	...	729	2		
			Sikapur Chit Ghati	69				69			
			Chulha	751				751			
			Total ...	1,549	2	...	...	1,549	2		
			III.—Manikpur.								
			Mahal Balkishan of Chulhi village,	26	...	...	...	26	...		
			„ Makhramgir of ditto ...	13				13			
			Total ...	39	...	...	...	39	...		
			IV.—Tikaria.								
			Bhenda or Bhera	778	21	...	...	778	21		
			Dadri Musai	4,697				4,697			
			Tikaria Jamanhi	2,892				2,892			
			Gursarai	909				909			
			Rukma Buzurg	1,979				1,979			
			Marian Panwari or Mandayan Panwari.	1,886				1,886			
			Total ...	13,140	21	...	...	13,140	21		
			Total Central Circle ...	20,457	32	...	...	20,457	32		
			Oudh Circle	2,016	3	...	2,016	...	...		
			School Circle	8,928	14	...	...	8,928	14		
			GRAND TOTAL, PROVINCE ...	31,401	49	...	2,016	29,385	46		
						Leased Forests.					
			SCHOOL CIRCLE ...	49,740	78	4,458	...	54,198	85		

Abstract of changes during the year (Central Circle).

	Acres.
Area at commencement of the year	20,457
„ at close of the year	20,457

NAINI TAL:

The 25th September 1894.

H. C. HILL,

Conservator of Forests, Central Circle.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

[Form No. 46.

AREA OF RESERVED FORESTS, PROTECTED FORESTS, AND UNCLASSED STATE FORESTS AND WASTE LANDS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
				Reserved Forests.							
Pilibhit.	Pilibhit Maina Kote Dhanaraghat	Pilibhit	Pilibhit Maina Kote Dhanaraghat	96,820	151	...	*114 ... †1,094	95,726	150	No. 988F/677A of 1st December 1893.	* Transferred to Rohilkhand and Kumaun Railway. † The decrease is due to more accurate computation of area by the Forest Survey.
Kheri.	Kanjaria Dudua Khairigarh Bhira	Kheri	Kanjaria Dudua Khairigarh Bhira	2,78,446	435	...	...	2,78,446	435		
Bahraich.	Motipur Chakia Charda Bhinga	Bahraich	Motipur Chakia Charda Bhinga	2,11,576	331	...	...	2,11,576	331		
Gonda.	Nawabganj Barhawa Tulsipur Shambhar	Gonda	Nawabganj Barhawa Tulsipur Shambhar	99,079	155	...	...	99,079	155		
Gorakhpur.	Southern range.	Gorakhpur	Ramgarh Forests Tilkonia do. Bhillampur do. North Banki do. South Banki do. Bhari Babban do. " Basi do. West Lehra, No. I do. Ditto No. II do. Total, Southern Range	4,609·61 1,557·25 2,133·09 891·63 1,274·01 1,883·71 4,109·79 11,693·24 497·04 28,949·00	... ... ·5	‡4·30 ... ... 4·30	... ...	4,613·91 1,557·25 2,133·09 891·63 1,274·01 1,883·71 4,109·79 11,693·24 497·04 28,954·	 45	‡No. 205F/XIV—643A-10, dated 14th April 1894.	Declared to be Reserved forest from 1st May 1894.

[Form No. 46.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH

AREA OF RESERVED FORESTS, PROTECTED FORESTS, AND UNCLASSED STATE FORESTS AND WASTE LANDS, 1893-94—(*contd.*)

Division.	Range.	Civil, District or Territory.	Name of forest.	Area on 1st July 1893.		Added during the year	Excluded or transferred to other heads.	Area on 30th June 1894.		No. and date of Notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
				Reserved	Forests.						
Gorakhpur.	Central Range,	Gorakhpur ...	Dudhai forests	9,453·90	...	494·00*	...	9,947·90	...	*No. 202F. / XIV.—662A-14, dated 14th April 1894.	Declared to be Reserved forests from 1st May 1894.
			Majhor No. 1/10	2,255 91	...	...	...	2,255 91	...		
			Ditto No. 170	3,721·53	...	148·37†	...	3,869 90	...	†No. 17F / XIV—537A-15, dated 12th January 1894.	Ditto from 1st February 1894.
			East Lehra Forests	8,094·61	...	...	...	8,094 61	...		
			Total, Central Range ...	23,526·00	37	642	...	24,168·	38		
	Northern Range.		Sonari forests	25,029·06	...	...	...	25,029·06	...		
			Harnathpur do.	246 81	...	...	...	246 81	..		
			Padrahwa do.	337·06	...	...	...	337·06	...		
			Tetri do.	873 04	...	...	...	873 04	...		
			Madhaulia do	494·26	...	...	...	494·26	...		
			Nagwa do.	17,354·04	...	...	...	17,354·04	...		
			Domakhand No. 13	5,073·23	...	...	...	5,073 23	...		
			Ditto 14	595·75	...	...	...	595 75	...		
			Ditto 1/2	1,864 12	...	...	...	1,864 12	..		
			Ditto 1/2	3,025·49	...	...	...	3,025·49	...		
			Barathkhand	1,021·14	...	...	...	1,021·14	...		
			Gopalganj	55·00	..		...	55 00	...		
			Arazi Tulsiram Dubey ...	...	...	1,369·00	...	1,369·00	...		
			Total, Northern Range ...	55,969·00	87	1,369·00‡	...	57,338·00	89	‡No. 73F / 603A-10, dated 7th February 1894.	Declared to be Reserved forests from 1st March 1894.
			Total, Reserved Forests ...	1,08,444	169	2,016 00	...	1,10,460	172		

				Unclassed State Forests.							
Gorakhpur.	Southern ...		Ramgarh	5	...	...	5	...	...		
	Northern ...		Arazi Tulsi Ram	1,369	...	...	1,369	...	...		
	Central ...	Gorakhpur ...	Kishanpur, Bishnathpur, Chaukighat and Rajgarh in Majhar No. 170. ...	148	...	...	148	...	...		
			Jungle Farzind Ali in Dudhai ...	494	...	...	494	...	...		
			Total ...	2,016	...	...	2,016	...	...		
			GRAND TOTAL ...	7,96,381	1,244	2,016	3,10,114	7,95,287	1,243		

Abstract of changes during the year.

Reserved Forests—	Acres.
Area at commencement of the year	7,95,365
ADDED.—By transfer from Unclassed State Forests, Gorakhpur	2,016
EXCLUDED.—By accurate computation in Pilibhit Division...	1,094
Do. By transfer to Railway Department	·114
Area at close of the year ...	7,95,287

Unclassed State Forests—	Acres.
Area at commencement of the year	2,016
EXCLUDED.—By transfer to Reserved Forests	2,016
Area at close of the year	...

NAINI TAL:

The 20th September 1894.

S. EARDLEY-WILMOT,

Conservator of Forests, Oudh Circle.

FOREST DEPARTMENT, SCHOOL CIRCLE,

AREA OF RESERVED, LEASED, PROTECTED

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Equivalent in square miles.
			I.—Reserved Forests.		
Dehra Dún ...	Jumna	Dehra Dún	Ambari	4,203	7
			Chandpur	2,251	3
			Rampur Mundi	825	1
			Jumna	8,305	13
			Timli	19,704	31
	Malhán... ...	Ditto	Sherpur	13,922	22
			Chandrabani	7,289	11
			Dholkot	4,810	8
	Ramgarh ...	Ditto	Ramgarh	10,482	16
			Bulawála	14,965	23
	Ganges	Ditto	Kansrau	20,402	32
			Motichur	22,073	34
	Lachiwála ...	Ditto	Nágsidh	14,792	21
			Song	1,338	2
			Thano	6,576	10
			Kachar.	228	...
			Saura Siroli	976	2
			Paled	2,685	4
			Maidan	1,752	3
			Ladwakot	...	...
			Patharkhan	...	...
			Sansarukhála	...	...
			Súridhar	...	...
			Talai	...	...
			Barkot	...	...
	Tirsal	Ditto	Tirsal	12,791	20
			Salnkot	5,281	8
			Tapoban	42	...
			Birbhaddar	447	1
			Rikhikesh Depôt	6	...
			Total Dehra Dun Division ...	176,145	275
Saharanpur ...	Western ...	Saharanpur	Siwaliks	81,976	128
	Central ...	Ditto	Ditto	74,751	117
	Eastern ...	Ditto	Ditto	15,345	24
			Majhara	2,502	4
			Pathri	13,896	22
			Total Saháranpur Division ...	188,470	295
Jaunsar ...	Deoban ...	Dehra Dún	Kalsi	4,568	7
			Strips on Jumna and Tons ...	422	1
			Singori, Kua, Korwa, Kotha, Bandla and Bagra ...	787	1
			Lokandi	6,218	10
			Deoban	6,580	10
			Ekra	5,313	8
			Karamba	11,842	10
			Konain	4,654	7
	Bawar	Ditto	Rikhargadh	6,450	10
			Dharagádh	13,510	21
			Dharmigádh	9,942	15
			Bastil	3,085	5
	Deogarh ...	Ditto	Deogarh	10,776	17
	Deota ...	Ditto	Khunigádh	11,974	19
			Total Jaunsar Division ...	96,181	150
			Total of Reserved Forests ...	460,796	720

[Form No. 46.

NORTH-WESTERN PROVINCES AND OUDH.

AND UNCLASSED STATE FORESTS, 1893-94.

Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1894.		No. and date of Notification of addition or transfer.	Remarks.
Acres.	Acres.	Acres.	Equivalent in square miles.		
...	...	4,203	7		
...	...	2,251	3		
...	...	825	1	...	Included under "Jumna" Forest in last year's form.
...	...	8,305	13		
...	...	19,704	31	...	These were originally gazetted in Notification No. 184, dated 27th February 1879, under the name of "Western Siwaliks".
...	...	13,922	22		
...	...	7,289	11		
...	...	4,810	8		
...	...	10,482	16		
...	...	14,965	23	...	These four forests were originally notified in the same Notification as "Eastern Siwaliks".
...	...	20,402	32		
...	...	22,073	34		
...	...	14,792	24		
...	...	1,338	2	...	Included under "Nagsidh" in previous year's form.
...	...	6,576	10		
...	...	228	...	...	Included under "Malkot" in previous year's form.
...	...	976	2	...	
124	...	2,809	4	Notification No. 578-F / 28-A-24 dated 4th July 1893.	
...	...	1,752	3	...	
142	...	142	...		
75	...	75	...		
425	...	425	2	Ditto ditto.	
200	...	200	...		
247	...	247	...		In 2 pieces, Nos. 1 and 2.
275	...	275	...		
...	...	12,791	20		
...	...	5,281	8	...	Included in "Tirsal" in previous year's form.
...	...	42	...		
...	...	447	1	...	Called "Birpur" in Notification No. 184, dated 27th February 1879.
...	...	6	...		
1,488	...	177,633	277		
...	...	81,976	128		
...	...	74,751	117	...	Notification No. 181, dated 27th February 1879.
...	...	15,345	24		
...	...	2,502	4		
...	...	13,896	22	...	In 5 pieces. Notification No. 748-A., dated 3rd December 1878.
.	.	188,470	295		
...	...	4,568	7	...	It has not been found possible to explain the relations of these areas to those given in the original Notification No. 408A of 31st August 1878.
...	...	422	1		
...	...	787	1		
...	...	6,248	10		
...	...	6,580	10		
...	...	5,313	8		
...	...	11,842	19		
...	...	4,654	7		
...	...	6,460	10		
...	...	13,540	21		
...	...	9,942	15		
...	...	3,085	5		
...	...	10,776	17		
...	...	11,974	19		
...		96,181	150		
1,488	...	462,284	722		

FOREST DEPARTMENT, SCHOOL CIRCLE,

AREA OF RESERVED, LEASED, PROTECTED

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Equivalent in square miles.
			II.—Leased Forests.		
Jaunsar ...	Deogarh ...	Punjab Hill States ...	Raiengarh	5,425	9
			Dadi including Ori ...	1,630	2
	Deota	Tehri-Garhwal	Deota	4,937	8
			Bamsu	2,323	4
			Suras	1,014	2
			Datmir	2,560	4
			Naintwar	3,000	5
			Sahlra	22,000	34
			Noranu		
	Kotigadh ...	Ditto	Chansil		
			Lambatach	2,883	4
			Kotigadh	3,968	6
			Total of Leased Forests ...	49,740	78
			III.—Protected Forests.		
			Nil.		
			IV.—Unclassed State Forests.		
Ditto ...	Deoban ...	Dehra Dún	Chakrata Cantonment Forests comprising—		
			Lurli	290	1
			Suitoli	188	
			Forest Garden	48	
Dehra Dun ...	Ganges and Tirsal ...	Ditto	Waste lands available for cultivation, Block 2, 3, 7 to 14...	8,368	13
	Ramgarh and Lachiwala.	Ditto	Camping grounds at Bulawala, Lachiwala and Thano ...	33	...
			Forest chaukies at Sahonspur, Raipur and Barkot ...	1	...
			Total Unclassed State Forests	8,928	14
			Grand Total ...	519,464	812

Abstract of changes

Area at commencement of the year ... ...

Added during the year ... ...

Area at close of the year ... ...

DEHRA DÚN :
The 17th September 1894.

Form No. 46.

NORTH-WESTERN PROVINCES AND OUDH.—*contd.*

AND UNCLASSED STATE FORESTS, 1893-94—*contd.*

Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1894.		No. and date of Notification of addition or transfer.	Remarks.
Acres.	Acres.	Acres.	Equivalent in square miles.		
...	...	5,425	9		
...	...	1,630	2		
...	...	4,937	8		
...	...	2,323	4		
177	...	1,191	2	...	Rectification of area.
883	...	3,443	5		
4	...	3,004	5		
2,340	...	8,359	13	...	Ditto ditto.
		1,580	2		
		14,401	23		
...	...	2,883	4		
1,054	...	5,022	8	...	Ditto ditto.
4,458	...	54,198	85		
...	...	290 188 48	1		
...	...	8,368	13		
...	...	33	...		
...	...	1	...		
...	...	8,928	14		
5,946	...	525,410	821		

during the year.

					Acres.
...	...	...	...	...	519,464
...	...	...	...	...	5,946
...	...	...	...	...	525,410

J. S. GAMBLE,

Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 47.

FOREST DEPARTMENT, CENTRAL CIRCLE NORTH-WESTERN PROVINCES AND OUDH.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS DURING 1893-94.

Name of Forest Division.	Name of Civil District or Territory.	Area already settled at commencement of the year.	Areas finally settled during the year. Number and date of Government order according final sanction to the Settlement.	Name of Forest settled.	Area, in square miles.	Expenditure incurred during the year on areas finally settled. In Forest accounts.	In other accounts	Entire cost per square mile of areas finally settled during the year.	Areas undergoing settlement. At commencement of the year. Name of tract.	Area, in square miles.	Taken in hand during the year. Name of tract.	Area, in square miles.	Expenditure incurred during the year on areas undergoing Settlement. In Forest accounts.	In other accounts.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
						Rs.	Rs.	Rs.	(i)—*Reserved Forests.*				Rs.	Rs.	
Naini Tal...	Naini Tal,	48	...	...	...	...	...	...	...	...	Protected Forests, Naini Tal Division.	30			
	Almora ...	8	G. O. 10%0 F. / 503 A.IX., dated 19th December 1893.	Baldhoti Kalimath	¼	...	*Nil.	...	...	...	Protected Forest, Ranikhet Sub-Division, now under settlement.	60			* Settlement conducted by Local Civil officers without special cost.
Kamaun ...	Naini Tal	(a) 78	...	...	...	...	...	...	The sub-montane portion of the Kumaun Division Reserves.	(a) 397	...	...	766	...	(a) (a) Revised acres
Garhwál ...	Bijnor ...	26	...	...	...	...	...	...	The sub-montane portion of the Garhwál Division Reserves.	444	...	...			
Ganges ...	Bijnor ...	60	...	...	...	...	...	...	The sub-montane portion of the Ganges Division Reserves.	347	...	...			
	Bijnor ...	...	972 F. / 503 A.II., dated 24th November 1893.	Mohanwali and Amsot	7¼	...	*Nil.	...							* Settlement conducted by Local Civil officers without special cost.
	Garhwál ...	25								347	...	...	...	...	
		85			7¼										
Bundelkhand	Jhansi ...	48	...	...	...	...	...	...	...	...	...	...	...	...	
	Lalitpur ...	138													
	Banda ...	86													
		272													
	Reserves ...	517	...	...	8	...	...	...	...	1,188	...	90	766	...	
									(ii).—*Protected Forests.*						
Bundelkhand	Jhansi ...	4	...	...	...	...	...	...	...	...	...	...	...	...	
	Protected...	4	...	...	...	...	...	...	...	...	...	...	...	...	
	Total, Central Circle.	521	...	...	8		...	...	...	1,188	...	90	766		
	Oudh Circle,	1,240	...	...	3	4,545	...	...	...	44	...	...	...	...	
	School Circle,	720	...	...	2	...	...	...	...	...		0·47	...	...	
	GRAND TOTAL, PROVINCE.	2,481	...	...	13	4,545	...	...	...	1,232	...	90·47	766	...	

(*Abstract Central Circle*).

	Square Miles.
Already settled at commencement of the year	521
Settled during the year	8
Undergoing settlement at commencement of the year	1,188
Taken in hand during the year	90
Total area of Reserved and Protected Forests as per Form No. 46 ...	1,806

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

Form No. 47.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS, DURING 1893-94.

Name of forest division.	Name of civil, district or territory.	Area already settled at commencement of the year.	Areas finally settled during the year.						Areas undergoing settlement.						Remarks.
			Number and date of Government order according final sanction to the settlement.	Name of forest settled.	Area, in square miles.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.	At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
		Sq. ms.				In forest accounts.	In other accounts.		Name of tract.	Area in square miles.	Name of tract.	Area in square miles.	In forest accounts.	In other accounts	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
						Rs.	Rs.	Rs.							
Pilibhít ...	Pilibhít ...	150	..	...	...	...	...	...	...	...	...	...	...	..	
Kheri	Kheri ...	435	...	...	...	...	...	...	Bardia villages ...	44	...	...	...	...	Notification No. 320 F / 30.6-13, dated 19th April 1894.
Bahraich ...	Bahraich ...	331	...	..	...	...	...	...	...	...	...	...	...	...	
Gonda ..	Gonda ...	155	...	...	...	...	...	...	...	...	...	...	...	...	
Gorakhpur ...	Gorakhpur ...	169	205 F. XIV-643 A. 10 of 14-4-94. 202 F. XIV-662 A. 14 of 14-4-94. 17 F. 537 A. 15 of 12-1-94. 73 F. 603 A. 10 of 7-2-94.	(1) Ramgarh. (2) Dudhai. (3) Majhara No. 170 (4) Arazi Tulsi Ram.	3	4,545	Compensation paid was at the rate of Rs. 5,887, per square mile.								(1) Five acres Government property were reserved. No expenditure was incurred. (2) 494 acres were acquired at a cost of Rs. 4,545; Rs. 682-3-9 are still claimed, being cost of litigation in regard to this area. (3) 148 acres were acquired in Majhara No. 170 at a cost of Rs. 2,672 paid in 1892-93. (4) 1,369 acres Government property were reserved. No expenditure was incurred.
Total ...		1,240			3	4,545		...	...	44	...	...	...	...	

DATED NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

Form No. 47.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS DURING 1893-94.

Name of Forest Division.	Name of Civil District or Territory.	Area already settled at commencement of the year.	Areas finally settled during the year.						Areas undergoing settlement.						Remarks.
			Number and date of Government order according final sanction to the Settlement.	Name of Forests settled.	Area, in square miles.	Expenditure incurred during the year on areas finally settled. In Forest accounts.	Expenditure incurred during the year on areas finally settled. In other accounts.	Entire cost per square mile of areas finally settled during the year.	At commencement of the year. Name of tract.	At commencement of the year. Area, in square miles.	Taken in hand during the year. Name of tract.	Taken in hand during the year. Area, in square miles.	Expenditure incurred during the year on areas undergoing Settlement. In Forest accounts.	Expenditure incurred during the year on areas undergoing Settlement. In other accounts.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Sq. miles.		Acres.		Rs.	Rs	Rs.					Rs	Rs.	
	Reserved Forests.														
Dehra Dún ...	Dehra Dún ...	275	No. 578F/28A—23, dated 4th July 1893.	Paled (2) 124 Ladwakot 142 Patharkhan 75 Sansarukhala 425 Suridhar 200 Talai (1 and 2) 247 Barkot 245	2	4	...	2	...	...	Seng	0·47	...	...	Settlement being conducted by Local Civil Officers without special cost.
Saharanpur ...	Saharanpur ..	295	...	...	...	...	...	...	...	...	...	...	...	...	
Jaunsar ...	Dehra Dun ...	150	..	.	..	...	...	...	...	...	...	...	...	...	
	Reserves ...	720	...	.	2	..	...	...	...	...	...	0·47	...	...	

Abstract

	Square miles.
Already settled at commencement of the year	720
Settled during the year	2
Undergoing settlement at commencement of the year	...
Total area of Reserves as per Form No. 46 ...	722

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 48.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

RECORD OF DEMARCATION AND MAINTENANCE OF BOUNDARIES, 1893-94.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Naini Tal	6	45	531	582	...	...	582	Nil*	131	* The plantation of Baldhoti and Kalimath added 6 miles of boundary line, but as the demarcation had been done by the Civil Authorities no cost was incurred.
Kumaun	...	33	446	479	...	200	†679	...	103	† The lengths of boundaries have been revised and corrected, hence they differ from those in last year's report.
Garhwál	...	35	386	421	...	62	483	...	198	
Ganges	3	11	218	232	...	126	‡358	64	27	‡ Lengths of boundaries revised and therefore not in accordance with those of last year.
Bundelkhand	...	94	695	789	...	106	895	...	515	
Total, Central Circle ...	9	218	2,276	2,503	...	494	2,997	64	974	
Oudh Circle ...	40	196	901	1,137	...	297	1,434	6,737	242	
School Circle ...	34	255	226	515	150	313	978	961	1,823	
GRAND TOTAL, PROVINCES...	83	669	3,403	4,155	150	1,104	5,409	7,762	3,049	

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

Form No. 48.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

RECORD OF DEMARCATION AND MAINTENANCE OF BOUNDARIES, 1893-94.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Pilibhit	...	35	82	117	...	21	138	1,133	.....	Re-demarcation by monoliths.
Kheri	...	48	286	334	...	118	452	2,227	.....	Purchase of monoliths for *Cis*-Sarda forests and erection of the same in Khairigarh Range.
Bahraich	...	41	252	293	...	10	303	2,448	127	Repairs to boundary ditching Rs. 127, cost of monoliths and erection of the same, Rs 2,448.
Gonda	...	72	118	190	...	32	222	.....	115	The expenditure in new work of Rs. 853 was paid by the Balrámpur Estate; Rs. 228 were paid by the Deputy Commissioner.
Gorakhpur	40	...	163	203	...	116	319	929	.....	
Total ...	40	196	901	1,137	...	297	1,434	6,737	242	

N. B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

DATED NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

Form No. 48.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

RECORD OF DEMARCATION AND MAINTENANCE OF BOUNDARIES, 1893-94.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles	Miles	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Reserved Forests.										
Dehra Dún	10	218	...	228	...	49	277	216	879	
Sharanpur	4	4	118	126	2	7	135	219	557	
Jaunsar { Main lines	9	21	46	76	125	167	368	271	249	
Jaunsar { Chak lines	7	3	26	36	...	12	48	140	44	
Total Reserved Forests ...	30	246	190	466	127	235	828	846	1,729	
Leased Forests.										
Jaunsar { Main lines	4	9	36	49	21	78	148	115	104	
Jaunsar { Chak lines	...	...	...	...	2	...	2	...	...	
Total Leased Forests ...	4	9	36	49	23	78	150	115	104	
GRAND TOTAL	34	255	226	515	150	313	978	961	1,833	

N. B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 49.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

STATEMENT OF FOREST AREAS SURVEYED AND UNDER SURVEY DURING THE YEAR 1893-94.

Division.	Areas surveyed and under survey during the year. Special surveys—Maps on 4" scale or over, by Survey of India Department or Forest Survey Branch. With interior details. With details of growing stock. Previous.	Of the year.	Without details of growing stock. Previous.	Of the year.	Total Cost.	Boundary Surveys. Previous.	Of the year.	Total Cost.	Ordinary, included in District Surveys. With interior details. With details of growing stock. Previous.	Of the year.	Without details of growing stock. Previous.	Of the year.	Total Cost.	Boundary Surveys. Previous.	Of the year.	Total Cost.	Chain and compass or other Surveys by local officers. With interior details. 4-inch or over. Previous.	Of the year.	Under 4-inch. Previous.	Of the year.	Total Cost.	Boundary Surveys. Previous.	Of the year.	Total Cost.	Areas remaining to be taken under Survey.	Total Forest area at end of the year, as per Form No. 46.	Cost. Previous.	Of the year.	Entire cost of all Surveys to end of the year.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.		Sq. m.	Rs.	Sq. m.	Sq. m.	Sq. m.	Sq. m	Rs.	Rs.							Rs.			Rs.	Sq. m.	Sq. m.	Rs.	Rs.	Rs.	
														(i) *Reserved Forests.*																
Naini Tal ...	23	...	33	...	6,466	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	336	...	...	...	...	56	6,466	336	6,802	Differences in cost between this and previous year owing partly to revision of areas and partly to more recent information to hand.
Kumaun ...	259	...	216	...	55,311	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	101	...	...	...	...	475	55,311	101	55,412	
Garhwál ..	58	...	412	...	54,245	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	194	...	...	...	...	470	54,245	194	54,439	
Ganges ...	10	...	422	...	50,731	...	...	...	...	...	8	...	Not known	...	...	...	...	...	...	...	...	...	...	...	...	440	50,731	...	50,731	
Bundelkhand	...	...	134	...	8,279	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	138	272	8,279	...	8,279	
Reserves ...	350	...	1,217	...	1,75,032	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	631	...	...	...	138	*1,713	1,75,032	631	1,75,663	
														(ii) *Protected Forests.*																
Naini Tal ...	30	...	60	...	10,350	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	90	10,350	...	10,350	
Buddelkhand	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	...		
Protected ...	30	...	60	...	10,350	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		4	94	10,350	..	10,350	
														(iii) *Unclassed Forests.*																
Bundelkhand	...	...	32	...	2,132	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32	2,132		2,132	
Total, Central Circle.	380	...	1,309	...	1,87,514	...	...	...	...	...	8	...	Not known.	...		...	...	...	...	...	631	...	...	...	142	1,839	1,87,514	631	1,88,145	
Oudh Circle,	251	356	251	356	11,874	...	141	704	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	658	1,243	5,080	12,449	17,529	
School Circle	819	...	...	...	2,20,410	...	.	...	...	...	...	..	...	...	..	...	...	...	...	...	...	.	...	321	2	821	2,20,410	321	2,20,731	
GRAND TOTAL, PROVINCE.	1,450	356	1,560	356	4,19,798	...	141	704	...	...	8	...	...	...	...	...	...	...	...	...	631	...	..	321	802	3,903	4,13,004	13,401	4,26,405	

* 1,713 by mileage of Divisions separately.
1,712 by equivalent in square miles of 1,095, 989 acres.

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

Form No. 49.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

STATEMENT OF FOREST AREAS SURVEYED AND UNDER SURVEY DURING THE YEAR 1893-94.

Division.	Areas surveyed and under survey during the year 1893-94.																								Areas remaining to be taken under survey.	Total forest area at end of the year as per Form No. 46.	Cost.			Remarks.
	Special surveys—maps on 4-inch scale or over by Survey of India Department of Forest Survey Branch.								Ordinary, included in District Surveys.								Chain and compass or other surveys by local officers.													
	With interior details 4-inch scale.					Boundary Surveys 4-inch scale.			With interior details.					Boundary Surveys.			With interior details.					Boundary surveys.								
	With details of growing stock.		Without details of growing stock.						With details of growing stock.		Without details of growing stock.						4-inch or over.		Under 4-inch.											
	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.			Previous.	Of the year.	Entire cost of all surveys to end of the year.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
				S. M.	Rs.															S.M.	Rs.			Rs	S.M.	S M.		Rs.	Rs.	
Pilibhit ...	153	...	153	...	3,752	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	150	3,380	879	4,259	(*) Includes cost of an area of 38 sq. miles traversing.
Kheri, (Bhira)	98	57	98	57	( ) 1,902	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	435	1,661	10,866	12,527	
„ (Dudus)	...	299	...	299	(†) (‡) 6,220																									(†) Includes cost of an area of 317 sq miles of traversing.
Bahraich ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	331	331	...	...	...	(‡) Exclusive of Rs 4,500 for purchase of two elephants.
Gonda ...	...	...	...	...	...	...	141	704	...	...	...	...	...	...	...	...	.	.	...	...	...	...	...	...	155	155	12	704	716	
Gorakhpur ...	...	...	.	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	172	172	27	...	27	
Total ...	251	356	251	356	11,874	...	141	704	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	658	1,243	5,080	12,449	17,529	

NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

FOREST DEPARTMENT, SCHOOL CIRCLE,

STATEMENT OF FOREST AREAS SURVEYED AND

Division.	Areas surveyed and under survey during the year.															
	Special surveys—Maps on 4" scale or over by Survey of India Department or Forest Survey Branch.								Ordinary, included in District Survey.							
	With Interior Details.					Boundary Surveys.			With interior details.							
	With details of growing stock.		Without details of growing stock.		Total Cost.				With details of growing stock.		Without details of growing stock.		Total Cost.			
	Previous.	Of the year.	Previous.	Of the year.		Previous.	Of the year.	Total Cost.	Previous	Of the year.	Previous.	Of the year.		Previous.	Of the year.	Total Cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms	Sq. Ms.	Sq. Ms.	Sq. Ms	Rs.	Sq. Ms.	Sq. Ms.	Rs.
											I. Reserved Forests.					
Dehra Dùn ...	275	...	...	...	85,250	...	...	...	...	...	...	...	...	...	...	...
Saháranpur ...	295	...	...	...	91,450	...	...	...	...	...	...	...	...	...	...	...
Jaunsár ...	150	...	...	...	27,900	...	...	...	...	...	...	...	...	...	...	...
Reserves ...	720	...	...	...	2,04,600	...	...	...	...	...	...	...	...	...	...	...
											II. Leased Forests.					
Jaunsár ...	85	...	...	...	15,810	...	...	...	...	...	...	...	...	...	...	...
Leased Forests.	85	...	...	...	15,810	...	...	...	...	...	...	...	...	...	...	...
											III. Protected Forests. Nil.					
											IV. Unclassed Forests.					
Jaunsar ...	1	...	...	...	Not known.	...	...	...	...	...	...	...	...	...	...	...
Dehra Dùn ...	13	...	...	...	Not known.	...	...	...	...	...	...	...	...	...	...	...
Unclassed Forests	14	...	...	...	Not known.	...	...	...	...	...	...	...	...	...	...	...

DEHRA DÚN:
The 17th September 1894.

Form No. 49.

N.-W. PROVINCES AND OUDH.

UNDER SURVEY DURING THE YEAR 1893-94.

Chain and compass or other surveys by local officers.								Areas remaining to be taken under Surveys	Total Forest area at end of the year as per Form No. 46.	Cost.			Remarks.
With interior details.					Boundary Surveys								
4-inch or over.		Under 4-inchs.		Total cost.						Previous.	Of the year.	Entire cost of all Surveys to end of the year.	
Previous.	Of the year.	Previous.	Of the year.		Previous.	Of the year.	Total cost.						
18	19	20	21	22	23	24	25	26	27	28	29	30	
Sq. Ms.	Sq. Ms	Sq. Ms.	Sq. Ms	Rs.	Sq. Ms	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	2	277	85,250	...	85,250	
...	...	...	...	...	...	...	2	...	295	91,450	2	91,452	
...	...	...	...	...	...	*1·09	319	Not yet known.	150	27,900	319	28,219	*Areas of Chaks included in the reserves.
...	...	...	...	...	...	...	321	2	722	2,04,600	321	2,04,921	
...	...	...	...	...	...	...	...	...	85	15,810	...	15,810	
...	...	...	...	...	...	...	...	...	85	15,810	...	15,810	
...	...	...	...	...	...	...	...	...	1	Not known	...	Not known.	
...	...	...	...	...	...	...	...	...	13	Not known.	...	Not known.	
...	...	...	...	...	...	...	...	...	14	Not known	...	Not known.	

J. S. GAMBLE,
Conservator of Forests, School Circle,
N.-W. P. and Oudh.

[Form No. 50.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

PROGRESS MADE IN WORKING PLANS, 1893–94.

Division.	Areas for which Working Plans have been completed.		Areas for which Working Plans are being compiled.		Areas for which Working Plans have still to be taken in hand.	Total Forest area, as in Form No. 46.	Entire cost, per square mile, of Working Plans completed.	Remarks.
	At commencement of the year	During the year.	At commencement of the year.	Taken in hand during the year				
1	2	3	4	5	6	7	8	9
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Rs.	
				Reserved Forests.				
Naini Tal	(1)(a)38	...	...	...	18	56	42	(a) Last year the area of Gagar Forests (12 square miles) was included by mistake, there being no Working Plan in existence for those forests.
Kumaun	(b)90	(2)475	475	...	...	475	34	(b) Revised and included in column 3.
Garhwál	(c)26	(3)43	470	...	...	470	30	(c) Ditto ditto.
Ganges	(4)254	(5)21	10	11	165	440	117	(1) Ranikhet and Naini Tal Working Plans.
Bundelkhand	...	...	...	...	272	272	...	(2) Kumaun Division ditto.
								(3) Kehar-Garhibulchand ditto.
								(4) Ganges and Kohtri ditto.
								(5) Lansdowne ditto.
Total ...	408	539	955	11	455	1,713*	...	* 1,713 by mileage of Divisions separately. 1,712 by equivalent in square miles of 1,095,989 acres.
				Protected Forests.				
Naini Tal	(1)50	...	...	...	40	90	42	
Bundelkhand	...	...	...	...	4	4	...	
Total ...	50	...	...	...	44	94	...	
				Unclassed Forests.				
Bundelkhand ...	...	...	...	...	32	32	...	
Total ...	...	...	...	...	32	32	...	
TOTAL, CENTRAL CIRCLE ...	458	539	956	11	531	1,839	...	
Oudh Circle	284	486	337	...	136	1,243	10	
School Circle	427	...	...	297	97	821	...	
GRAND TOTAL, PROVINCE ...	1,169	1,025	1,292	308	764	3,903	...	

DATED NAINI TAL:
25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

Form No. 50.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

PROGRESS MADE IN WORKING-PLANS, 1893-94.

Division.	Areas for which working plans have been completed.		Areas for which working plans are being compiled.		Areas for which working plans have still to be taken in hand.	Total forest area as in Form No. 46.	Entire cost per square mile of working plans completed.	Remarks.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	
Pilibhít	...	...	150	...	...	150	...	* Kheri trans Sarda.
Kheri	* 284	...	151	...	...	435	18	Kheri Cis-Sarda.
Bahraich	...	‡ 295	§ 36	...	...	331	12	‡ Bhinga and Motipur.
Gonda	...	‖ 19	...	...	136	155	2	§ Chakia Charda.
Gorakhpur	...	172	...	...	...	172	9	‖ Nawabganj.
Total ...	284	486	337	...	136	1,243	10	

NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

Form No. 50.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

PROGRESS MADE IN WORKING-PLANS, 1893-94.

Division.	Areas for which Working-Plans have been completed.		Areas for which Working-Plans are being compiled.		Areas for which Working-Plans have still to be taken in hand.	Total Forest area, as in Form No. 46	Entire cost per square mile of Working-Plans completed.	Remarks.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	
I.—Reserved Forests.								
Debra Dún	275	...	...	2	...	277	*...	*Cost of Debra Dún Working-Plan not recorded. Rs. 18 spent during year on Malkot Plan. The Working Plan for the Suswa Coppice supplementary to the main plan for the division and for an area included in it, was sanctioned during the year. Working-Plan for the Semla, etc., forests in Malkot was drawn up and submitted to Conservator in December 1893, but is still under consideration.
Saháranpur	...	...	...	295	...	295	...	Spent during year, Rs. 14.
Jaunsár	77	...	...	...	73	150	Not known.	Mundali 5, Chir Forest 28, Deoban 44 square miles.
Total ...	352	...	...	297	73	722		
II.—Leased Forests.								
Jaunsár	74	...	...	...	11	85	Not known.	Tehri-Garhwal Leased Forests Working-Plan.
Total ...	74	...	...	...	11	85	...	
III.—Unclassed Forests.								
Jaunsár	1	...	...	...	...	1	Not known.	The cantonment blocks at Chakrata.
Debra Dún	...	...	...	...	13	13	...	Plans not necessary.
Total ...	1	...	...	...	13	14	...	
Grand Total ...	427	...	...	297	97	821	...	

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH. [Form No. 51.

COMMUNICATIONS AND BUILDINGS DURING 1893-94.

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.				Buildings.		Roads and paths.				
	Description of Building.	Expenditure incurred.	Roads or paths and object of the same.	Length of road or path.	Expenditure incurred.	Total Expenditure on new work.	Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	Total Expenditure on repairs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.	
Direction ...	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	Ordinary annual repairs to office building and outhouses.	185	*Nil.*	*Nil.*	*Nil.*	185	
	Total ...	...	...	...	...	...	...	185	...	...	...	185	
Naini Tal...	Kalona rest-house completed.	259 (part cost.)	Cart road from Pipal China to Tetali Khet	...	176	4,154	Enlarging China chauki,	87	Repairs to Airadeo-Majkholi cart road.	4	475	2,000	
	Forester's quarters at Manora.	337	3′ path to Jabar plantation.	1	25		Ditto charcoal godown at Naini Tal.	82	Repairs to Seoni brewery cart road.	2	28		
	Kitchen at Kalona ...	99 (part cost.)	2′ path in Bhatronj ...	7	141		Ordinary repairs to existing buildings.	122	Repairs to fire paths in Airadeo	8	161		
	Chauki at Mehalkhali,	195	3′ path from Manora chauki to cart road.	...	4				Ordinary repairs to existing roads and paths.	224	904		
	Do. at Talli Tal Depôt.	157	Fire paths in Airadeo...	8	252				Railings on Tonnochy-Kilberry road.	...	130		
	Chauki at Tonnochy's Depôt.	151	5′ fire path in Ganiadeoli.	1	14				Furlong posts on Tonnochy and Kilbery-China road.	...	11		
	Commissariat fuel shed at Ranikhet.	1,100	1′ line path in Ninglat (Bagkhan Gadhera to Kainchi.)	2	9								
	Commissariat at standing camp.	400											
	Commissariat at Chaubattia.	400	1′ line path from Mona to Bhujia Ghat.	2	5								
	Commissariat at Naini Tal.	400	Cart road into Commissariat shed, Ranikhet	...	30								
	Total ...	3,498	...	21	656	4,154	...	291	...	238	1,709	2,000	
Kumaun ...	Ranger's quarters at Fatehpur.	286	12′ wide road from Chunakhan to Bareni.	6	310	3,014	Enlarging chauki at Sudlimat.	172	Ordinary repairs to existing bridges.	...	86	7,327	
	Outhouses at Dhanour Chaor.	478	8′ wide Tanakpur. Dharapani and Shiala road completed.	...	134		Enlarging Aonlakhera bungalow.	313	Ditto to existing roads and paths.	579	5,881		
							Thatching ...	202					
	Outhouses at Sainapani.	570	10′ wide Lakhmanmandi-Horai road.	4	195		Panes of glass and paint.	62	Re-alignment of Baramdeo road at Sarkhet.	...	9		
	Outhouses at Shiala ...	89	5′ wide bridle path from Bareth to Bijeypur road.	5	250		Ordinary repairs to existing buildings.	549	Ditto of the high level road near Pinthali.	...	53		
	Elephants' sheds at Haldwani, Sudlimat and Sainapani.	224											
	...	...	3′ wide Dholpokhra-Horai inspection path.	1	13								
	...	...	3′ wide Lowargad inspection path	2	9								
	...	...	Ratiuri, Dhar-Dhunga chaur 5′ wide inspection path.	3	150								
	...	...	Hanspur ditto ...	1	11								
	...	...	4 bridges on Nandhaur valley road.	...	295								
	Total ...	1,647	...	22	1,367	3,014	...	1,298	...	579	6,029	7,327	

[Form No. 51.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

COMMUNICATIONS AND BUILDINGS DURING 1893-94.—(*continued*).

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and Paths.			Total Expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on repairs.	
	Description of Building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure. incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.	
Garhwal	Rebuilding Bijrani bungalow.	600	5′ to 8′ wide inspection bridle path from near Jalikhan to Ramnagar-Ranikhet cart road, completed.	1	122	9,150	Adding a verandah room to office building at Ramnagar.	95	Alterations in the gradients of Dhikuli-Hatigaliar road.	1	500	14,859	
	Kálágarh rest-house ...	1,680 (part cost.)					Tatching various buildings.	602	Improvement of Ganjera-Banjade road.	...	263		
	Kandá Ditto ...	1,086 (part cost.)	12′ wide export and inspection road in Mandal valley.	1	1,400		Purchase of materials (iron sheets, nails, screws, paint, linseed oil, &c.) For repairs of various buildings.	971	Improvement of Phulsi road.	1	161		
	Ranger's quarters at Kandá.	505 (part cost.)							Improving the gradients of Dhangadi-Garral road.	...	108		
	Forest guard's hut at Shikaridera, completed.	243	10′ wide export and inspection road from Galigaon to Magnunkhal.	2	950				Widening Ganjera-Banjade road.	...	123		
	Forest guard's hut at Chemtakhal.	184 (part cost)	8′ wide Bhatkuri export road.	1	253		Sawing timber for repairs of various buildings.	334	Widening from Upper Bhatoli to Lower Bhatoli.	...	140		
	Forest guards' hut at Dhungalgarh.	250	12′ to 14′ wide export and inspection road from Sultanchour to Ganjar.	1	137		Burning and carriage of lime for repairs of various buildings.	110	Improvement of Jhirnajali-Barsoti road.	...	15		
	Outhouses at Dhungalgarh.	250	6′ wide export road from Kerigadh to Jali Khan Falindaghat road.	1	300		Petty repairs to all existing buildings.	622	Ordinary repairs to Haldua-Ramnagar road.	8	150		
	Outhouses at Kanda, completed.	33	8′ to 10′ wide export and inspection road from Patharia Khal to Chimta Khal.	1	194		...	...	Ordinary repairs to Bijnor District roads.	34	762		
	...	...	8′ wide export and inspection road from old to new Dhungalgarh.	...	176		...	...	Ordinary repairs to all existing roads.	688	9,903		
	...	...	8′ wide export and inspection road from Durgade to old Dhungalgarh.	1	474								
	...	...	6′ wide export and inspection road from from Upper Bhatoli to Sidhkhal.	1	138								
	...	...	6′ wide export and inspection road from Sidhkhal to Bhownkhal.	2	175								
	Total ...	4,831	...	12	4,319	9,150	...	2,734	...	732	12,125	14,859	

Ganges ...	Extra foundations to Halduparao Rest house.	456	5′ Inspection path Kusam ghati to Jalika-Am.	2	29		Enlarging Lansdowne rest-house.	420	Widening to 12′ Chaobheri Halduparao road.	2	220		
	Forest guard's quarters at Halduparao.	295	5′ Inspection path Chaoliakhet to Dasota.	1	17		Enlarging Range officer's chauki at Lansdowne.	182	Straightening main road Chila to Kunaon.	1	5		
	Forest guard's quarters at Kolucharor.	370	5′ Inspection path Kohtri to Kotdwara road *via* Kaingadh.	6	82		Petty repairs to Saneh rest-house.	2	Straightening main road Tunawalasot to Chiplighati chaor.	1	13		
	Forest guard's quarters at Dhimki.	374	5′ Inspection path Simal chaor to Dasota.	2	143		Petty repairs to Chila rest-house.	34	Ordinary repairs (grass cutting, filling in earth, &c.), 10′ to 15′ roads in Palain Range.	15	116		
	Forest guard's quarters at Barkhet.	295	5′ Inspection path Dabina to Chaoberi.	2	26	2,339	Petty repairs to Kunaon rest-house.	10	Ordinary repairs 4′ to 8′ paths in Palain Range	50	214		
	Temporary shed at Lansdowne.	37	4′ Inspection path Rawasan to Maili nadi through hills.	2	15		Petty repairs to Pakhrao rest house.	53	Ordinary repairs 10′ to 15′ roads in Kohtri Range.	105	886		
	Store house to Kotdwara office.	71	5′ Inspection path and export path Bhankot to Kotdwara road.	...	100		Petty repairs to Murghati rest house.	37	Ordinary repairs 4′ to 8′ paths in Kohtri Range.	82	307		
	...		Path to rest-house ...	...	29		Petty repairs to Lansdowne rest-house.	27	Ordinary repairs 10′ to 15′ roads in Gori Range.	64	389		
	...	...	...	...	...	...	Petty repairs to Kakarbari chauki.	15	Ordinary repairs 4′ to 8′ paths in Gori Range.	21	65		
	...	...	...	...	...	...	Petty repairs to Forester's house at Chila.	1	Ordinary repairs 10′ to 15′ roads in Udepur Range.	44	279	4,523	
	...	...	...	...	...	...	Petty repairs to Laldhang chauki.	1	Ordinary repairs 4′ to 8′ paths in Udepur Range.	22	74		
	...	...	...	...	...	...	Petty repairs to Shampur chauki.	6	Ordinary repairs 10′ to 15′ roads in Chandi Range.	33	228		
	...	...	...	...	...	...	Petty repairs to Range officer's quarters at Mota Sal.	36	Ordinary repairs 4′ to 8′ paths in Chandi Range.	9	18		
	...	...	...	...	...	...	...	...	Ordinary repairs 10′ to 15′ roads in Sona nadi Range.	43	277		
	...	...	...	...	...	...	...	...	Ordinary repairs 4′ to 8′ path in Sona Nadi Range.	28	113		
									Ordinary repairs to Bijnor District roads				
	...	...	...	...	...	...	...	...	Laldhang to Afzalgarh,	16	405		
	...	...	...	...	...	...	...	...	Saneh to Chaudanpura,	8			
	...	...	...	...	...	...	...	...	Murghatti to Barhapura,	9			
	Total ...	1,898	...	15	441	2,339	...	824	...	548	3,699	4,523	

Form No 51.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

COMMUNICATIONS AND BUILDINGS DURING 1893-94.— (*continued*).

Division.	New work undertaken during the year. Buildings. Description of Building.	Expenditure incurred.	Roads and Paths. Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.	Total Expenditure on new work.	Repairs executed during the year. Buildings. Nature of Repairs.	Expenditure incurred.	Roads and Paths. Nature of Repairs.	Length repaired	Expenditure incurred.	Total Expenditure on repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.	
Bundelkhand	Syer chauki.	19	Majgawan-Kulua road Baroda road.	11 4	257 94	370	Repairs to Dhukwan Bungalow	19	Repairs to Ganupura road.	2	13	1,352	
	...	...	...	...	...	...	„ to Manikpur „	252	„ Bajna road ...	4	30		
	...	...	...	...	...	...	„ to Morari „	27	„ Babina Dhukwan road.	7	41		
	...	...	...	...	...	...	„ to Decgarh „	19	„ Ghisoli road ...	5	30		
	...	...	...	...	...	...	„ to Kulhua „	10	„ Dhukwan Thakurpura road.	7	42		
	...	...	...	...	...	...	„ to Kachneh Mahal.	19	„ Bajna Sipri road	4	28		
	...	...	...	...	...	...	„ to Jhansi Depôt	91	„ Rora „	1	2		
	...	...	...	...	...	...	„ to Lalitpur „	10	„ Haraspur-Bijrotha road.	3	27		
	...	...	...	...	...	...	„ to Mehroni „	2	„ Lalon Jakhora road.	2	25		
	...	...	...	...	...	...	„ to Jhansi, Moth Mau, and Garotha pargana chaukies.	29	„ Baroda Bansi road	6	60		
	...	...	...	...	...	...	„ to Lalitpur chaukies.	49	„ Thangana-Papra.	5	50		
	...	...	...	...	...	...	„ to Manikpur Godown.	10	„ Papra Bangawan road.	5	50		
							„ to Forester's office at Manikpur	7	„ Sakra Lakhan jhir road.	8	80		
									„ Patna-Parole road	5	50		
									„ Kulua „	4	50		
									„ Kulua Path ...	2	12		
									„ Bhenda road ..	1	22		
									„ Manikpur-Kalianpur road.	21	86		
									„ Ranipur-Kalianpur road.	6	24		
									„ Barh road	2	12		
									„ Matdar „	6	27		
									„ Donda path „	2	12		
									„ Ranipur-Chamrauhan path.	2	10		
									„ Bedak road	6	24		
									„ of tools and plants.	...	1		
	Total ...	19	...	15	351	370	..	544	...	116	808	1,352	
	Total, Central Circle ...	11,893	...	85	7,134	19,027	...	5,876	...	2,213	24,370	30,246	
	Oudh Circle ...	6,412	...	27	1,278	7,690	...	1,318	...	89	541	1,859	
	School Circle ...	5,239	...	32	9,119	14,358	...	7,092	...	689	6,146	13,238	
	GRAND TOTAL, PROVINCE	23,344	...	144	17,531	41,075	...	14,286	...	2,991	31,057	45,343	

DATED NAINI TAL :
The 28th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and, Oudh.

-From No. 51.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

COMMUNICATIONS AND BUILDINGS DURING 1893-94.

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.			Total Expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on repairs.	
	Description of building.	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		M. F.	Rs.	Rs.		Rs.		M. F.	Rs.	Rs.	
Pilibhit.	Outhouses at Bargad ...	199	10 feet broad boundary line along restricted Compartment No. 10 and Unrestricted Compartment No. 11.				Annual repairs of rest-houses, kitchens and outhouses, &c.	205	Annual repairs of 15 feet broad Divisional roads.	133—7	542		
	Do. Haripur ...	191					Part re-thatching of Nawadia rest-house.	65	Annual repairs of 8 feet paths.	23—4	85		
	Do. Barahi ...	200					Part re-thatching of Puranpur Chowki.	35	Dagbailing of 15 feet broad road.	16—5	150		
	Chowki Herdi Denga ...	80		4—4	6		Re-tiling Nawadia kitchen.	35					
	Do. Malasi ..	80					Re-thatching Nawadia Chowki.	50					
	Temporary out houses and Revenue Chowkies.	30					Railing of 1st class rest-house.	14					
							Miscellaneous ...	6					
	Total ...	780		4—4	6	786		410		179—0	777	1,187	

Form No. 51.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

COMMUNICATIONS AND BUILDINGS DURING 1893-94.

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.			Total Expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on repairs.	
	Description of building.	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		M. F.	Rs.	Rs.		Rs		M. F.	Rs.	Rs.	
Kheri.	Divisional office, Lakhimpur.	999	Soheli bridge ...		74		Repairing and whitewashing Sathiana and Bankati rest-houses.	82	Repairing roads ...	307—0	2,072		
	Tiling and taking off thatch of Lakhimpur bungalow.	1,234	Changa Nala bridge ...		416				Repairs to existing bridges		154		
	Chandan Chowki rest-house	102	Barbutta " ...		261				Up keep of bridges ...		2,042		
	Rangers quarters Khairigarh.	182	Ool bridge on Bharanta line.		232		Repairing new rest-house, Dudua.						
	Narungabad out-houses...	450					Repairing old rest-house, Dudua.						
	Mailani Rest-house ...	1,532					Repairing divisional office, Dudua.						
	Do. Stable ...	243					Repairing Blacksmith's house, Dudua.						
	Do. Cook-house ...	281					Repairing Registrars house, Dudua.	309					
	Material for above ...	2,195					Repairing Dispensary house, Dudua.						
	Compensation for land for Mailani Rest-house.	192					Lakhimpur Bungalow ...						
							Do. old office ...						
							Palia Dispensary ...	12					

							Salookapur rest-house ...	216				
							Bilrayan do. ...					
							Fort do. ...					
							Changa Nala do. ...					
							Chandan Chowki do. ...	122				
							Kukra do. ...					
							Madha do. ...					
							Gola do. ...					
							Kishanpur do. ...					
							Morena do. ...					
							Pulnapur do. ...					
							Bhira do. ...					
							Madha divisional office ...					
							Mailani Chowki					
							Thatching establishment	117				
							Establishment on maintenance.	442				
	Total ...	7,410		...	983	8,393		1,300		307—0	4,268	5,568
BAHRAICH.	2nd class rest-house and out-houses, Kakarha.	454		1—4	9	...	White washing and miscellaneous repairs of 7 buildings in the Motipur range.	152	Clearing grass over roads and ditching in the Motipur range.	131—0	862	...
	2nd class rest-house at Kataniaghat.	464		8—0	189	...	White washing and miscellaneous repairs of 2 buildings in the Chakia Charda range.	49	Clearing grass over roads and ditching in the Chakia Charda range.	55—0	493	...
	2nd class rest-house at Kakardari.	275		...	583	...	White washing and miscellaneous repairs of 8 buildings in the Bhinga range.	98	Clearing grass in the Bhinga range.	102—0	738	...
	2nd class rest-house at Bhartha.	357	Roads from Yallibs to Salarpurwa.				White washing of Bahraich rest-house and out-houses.	123	Usual repairs of 2 bridges in Motipur range.	...	18	...
	Rangers quarters at Nishangara.	490	Roads from Pipra to Hathiya Kund in the Bhinga range.				Establishment on maintenance.	220	Usual repairs of 4 bridges in Chakia Charda range.	...	148	...
	Forest guard Chowki at Nishangara.	210	Construction of bridges in the Motipur range.									
	Temporary office building at Nishangara.	103										
	Total ...	2,353		9—4	781	3,134		642		288—0	2,259	3,901

Form No. 51.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

COMMUNICATIONS AND BUILDINGS DURING 1893-94—(*continued*).

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and Paths.			Total Expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on repairs.	
	Description of Building	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		M. F.	Rs.	Rs.		Rs.		M. F.	Rs.	Rs.	
Gonda.	2nd class rest-house at Pipra.	844	10 and 15 feet broad Jarpania Chowki road.	0—7	7	...	Usual annual repairs to 8 rest-houses.	288	Usual annual repairs to roads.	94—6	466	...	
	2nd class rest-house at Sarni.	25	15 feet broad Sungarha Moosi road.	3—0	89	...	Usual annual repairs to 4 cook-houses.	43	Usual annual repairs to Boundary Path.	41—4	120	...	
	2nd class rest-house at Beerpur.	902	15 feet broad Siria road..	0—5	20	...	Usual annual repairs to 5 out-houses.	80	Usual annual repairs to Bridle Path.	9—4	15	...	
	3rd class rest-house at Botehnia.	3	15 feet broad Birpur and Sarni road.	2—0	64	...	Usual annual repairs to 1 rangers house.	9	Usual annual repairs to Cart tracks.	69—[illegible]	93	...	
	Cook-house at Pipra ...	10					Usual annual repairs to 7 forest guards Chowkies.	60	Repairing 2 bridges ...	...	24	...	
	Do. at Birpur ...	7					Usual annual repairs to 2 elephants sheds.	5					
	Do. at Sungarha..	65					Establishment on maintenance.	345					
	Out-house at Pipra ...	10											
	Do. at Sarni ...	3											
	Rangers-house at Birpur..	4											
	Forest guard Chowki, Sakra..	22											
	Forest guard Chowki, Birpur.	188											
	Forest guard Chowki, Narehwa.	75											
	Total ...	2,158		6—4	180	2,338		830		215—1	718	1,548	

GORAKHPUR.	Chowki at Ramgurh ...	80	Captainganj road ...	1—7			Annual repairs of rest-houses, out-houses, Chowkies and depots.	785	Repairs of roads and paths in all ranges.	98—2	531	...	
	Jagpur Bungalow ...	32	Durgapur uditpur road ...	0—6					Repairing one bridge ...	...	10	...	
	Head-quarters Bungalow	3,365	Northern line ...	2—2			Establishment on maintenance.	533					
	Do. office ...	1,324	Tirimohani keolapur road	6—0									
	Kitchen, servants quarters and stable, &c.	1,611	Road along east west fire line No. I.	0—2									
			Road along east west fire line No. II.	1—0	1,193	...							
			Pakri cross road ...	2—6									
			Keolapur (Lachmanpur) road.	0—2									
			Lachmanpur Sakhui road	3—4									
			Keolapur Sehauti road ...	5—1									
			Mankapur cross road separating compartment Nos. 32 and 33.	3—4									
			Construction of bridges.	...	85	...							
	Total ...	6,412		27—2	1,278	7,690		1,318		89—2	541	1,859	

NAINI TAL,
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

FOREST DEPARTMENT, SCHOOL CIRCLE,

Communications and buildings

Division.	New work undertaken during the year.					
	Buildings.		Road and Paths.			Total Expenditure on new work.
	Description of Buildings.	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.	
1	2	3	4	5	6	7
		Rs.		Miles.	Rs.	Rs.
Direction, ...	Shed for potting plants ...	207	*Nil*	...	...	207
Dehra Dún ...	Part Ranger's quarters at Dharmawála	202	Karwapani Jumna boundary road 16′ with bridges.	1	453	
	Compound wall, range quarters at Jhajra	142	16′ boundary road in Bulawála ...	4	384	
	Range quarters at Phandowála ...	684	Lachiwala Coppice line 10′ ...	...	161	
	Compound wall, range quarters at Lachiwála.	71	Kaluwála Lachiwála road with a wooden bridge.	1	159	
	Balance cost of range quarters at Barkot	†59	Algoha cart road 16′	...	82	
	Forest Chauki at Malhan ...	173	10′ Boundary road in Kanaran forest...	1	33	
	Coolies' quarters at Lachiwála ...	191	15′ Compartment road in Nichla Suswa Coppice.	...	30	
	Total ...	1,522		7	1,302	2,824
Saharanpur ...	Range quarters, at Barkala (Completed)	157	Dholkhand rest house road ...	1	50	
		...	Kasumri ditto ...	...	85	
	Chauki at Maiapúr	250	Cart road from Tira Coppice ...	3	73	
	Ditto at Bugawála	392	Dholkhand-Raighati road ...	4	280	
	Ditto at Chirak	414	Ranipúr rest house road ...	...	23	
	Sahonsra Chauki (part) ...	18	Pucka masonry bridges on Hardwar-Khára road near Morniwála.	...	260	
	Bam Chauki ditto ...	67				
	Chillawála ditto ...	25				
	Khára ditto ...	46				
	Total ...	1,369		8	771	2,140
Jaunsár ...	Balcha rest hut	482	Bamsu sledge road	...	*5,758	
	Datmir hut	350	Inspection paths in Karamba Forest	8	175	
	Buildings at Bamsu	591				
	Forest guards chauki at Kuanu ...	90	2′ path from Kuanu to Jamar Ghem	3	110	
	Ditto Koti Bawár	200	Ditto Hajawa to Baniana chauki	3	94	
	Ditto Gadseri	40				
	Ditto Raiengarh ...	104	Fuel carriage paths in Konain forest	1	47	
	Depôt keeper's house at Chakrata ...	41				
	Bania's shop at Mundali	173	New Tutwa road from old road to Pillai No. 40.	3	63	
	Resin Godown at Kathian ...	188				
	Dák chauki at Dharmigadh ...	32	Inspection path from Jaknilani to Guwaseri.	3	50	
	Blacksmiths shop at Bamsú ...	20				
	Latrine at Divisional Bungalow, Chakrata.	31	2′ path from Majni to Lambatach ...	1	8	
			Reconstruction of Naintwar bridge (part).	...	70	
			Ditto of Datmir ditto ...	...	242	
			Ditto Arakot ditto ...	...	420	
	Total ...	2,348		17	7,046	94,394
	Total for the Circle ...	5,239		32	9,119	14,358

Dehra Dún:
The 17th September 1894.

[Form No. 51.

NORTH-WESTERN PROVINCES AND OUDH.

during the year 1893-94.

Repairs Executed during the year.						
Buildings.		Roads and Paths.			Total Expenditure on repairs.	Remarks.
Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred		
8	9	10	11	12	13	14
	Rs.		Miles.	Rs.	Rs.	
Nil.		*Nil.*	...	...		*Includes Rs 100 contribution to the Dehra-Dún Tea Company for annual repairs to Dehra and Karwápani road.
Repairs to Rampur Mundi Rest house ..	20	Clearing of grass, ordinary repairs to 16′—10′ roads.	353	*1,750		
Ditto Ramgarh ditto ...	117	6′—4′ paths ...	69	278		
Ditto Lachiwála ditto ...	137					
Ditto Kansrau hut ...	76					
Ditto Thano	54					†Total cost Rs. 812.
Ordinary repairs to Range Quarters. Forest Chaukis, &c. ...	989					
Total ...	1,393		422	1,528	2,921	
Ordinary repairs to office building and outhouses	169	Repairs to Hardwar Khára road (cutting) grass, filling pits, &c.	51	*546		*Total cost, Rs. 616.
Repairs to Kasumri rest house ...	158	Ordinary repairs to other roads and paths	47	449		*Rs. 350 contributed by the District Board, Saharanpur.
Ditto Dholkhand ditto ...	701					
Ditto Beribara ditto ..	50					
Ditto Pathri ditto ..	11					
Ordinary repairs to Range Quarters, chaukis, &c.	228					
Chaukidar for Kasumri rest house ...	70					
Total ...	1,387		98	995	2,382	
Repairs to Lokar rest house ...	337	Repairs to Tons road ...	38	950		*Total cost Rs. 12,632.
Reroofing Deota bungalow ...	133	Ditto to Thadiar sledge road ...	2	156		
Repairs to students' quarters at Mundali	200	Ditto Bamsu " ...	3	242		
Repairs of Chauki at Morrow's neck ...	150	Ditto to Pabar road " ...	14	349		
Ditto Khunigadh ...	75	Ordinary repairs to existing roads and paths	112	1,877		
Extension of Chauki at Naintwar	100	Repairs of Gutugadh bridge ...	...	49		
Repairs of Divisional bungalow cook-house, Chakrata.	40					
Ditto stables ditto ...	241					
Repairs to stables at Deoban ...	158					
Ditto ditto Kathian ...	150					
Ditto to clerk's house, Chakrata	145					
Ditto of Karbir fuel shed ...	1,293					
Ordinary repairs to existing buildings ..	1,290					
	4,312		169	3,623	7,935	
	7,092		689	6,146	13,238	

J. S. GAMBLE,

Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 52.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

REGISTER OF BREACHES OF FOREST RULES DURING 1893-94.

Forest division.			Cases pending from 1892-93.	New Cases of the year.					Total Cases.	Disposed of during the year.						Cases pending at close of year.	Remarks.
				Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new Cases of the year.		Convictions.		Acquittals.		Total.			
										Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
Naini Tal.	Naini Tal Sub-Division...	A	...	3	...	...	...	3	3	...	...	...	...	...	...	3	
		B	...	2	81	4	2	89	89	89	138	...	...	89	138	...	
		C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ranikhet ditto ...	A	...	5	...	...	...	5	5	...	...	...	...	...	...	5	
		B	...	2	53	16	13	84	84	76	172	...	...	76	172	8	
		C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total ...		...	12	134	20	15	181	181	165	310	...	...	165	310	16	
Kumaon		A	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		B	...	...	35	1	1	37	37	37	83	...	...	37	83	...	
		C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total ...		...	...	35	1	1	37	37	37	83	...	...	37	83	...	
Garhwál		A	...	1	...	...	3	4	4	4	8	...	...	4	8	...	
		B	...	...	66	2	...	68	68	68	106	...	...	68	106	...	
		C	...	5	...	...	...	5	5	...	...	...	...	...	...	...	
	Total ...		...	6	66	2	3	77	77	72	114	...	...	72	114	...	

[Form No 52.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

REGISTER OF BREACHES OF FOREST RULES DURING 1893-94.—(*concluded*).

Forest Division.		Cases pending from 1892-93.	New Cases of the year.					Total Cases.	Disposed of during the year.						Cases pending at close of year.	Remarks.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new Cases of the year.		Convictions.		Acquittals.		Total.			
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
Ganges	A	...	...	1	...	...	1	1	1	1	...	7	1	8	...	
	B	5	2	68	...	18	88	93	75	115	8	10	83	125	10	
	C	...	4	...	...	...	4	4	...	...	...	...	...	...	...	
Total ...		5	6	69	...	18	93	98	76	116	8	17	84	133	10	
Bundelkhand	A	...	1	23	4	9	37	37	35	55	2	8	37	63	...	
	B	...	...	20	13	5	38	38	38	59	...	...	38	59	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total ...		...	1	43	17	14	75	75	73	114	2	8	75	122	...	
Total, Central Circle ...	A	...	10	24	4	12	50	50	40	64	2	15	42	79	8	
	B	5	6	323	36	39	404	409	383	673	8	10	391	683	18	
	C	...	9	...	...	...	9	9	...	...	...	...	...	...	...	
Oudh Circle	A	1	5	19	35	11	70	71	49	87	18	37	67	124	4	
	B	12	1	30	66	7	104	116	101	187	3	13	104	200	12	
	C	...	15	...	...	...	15	...	...	...	...	...	15	...	...	
School Circle	A	...	1	3	2	1	7	7	7	26	...	...	7	26	...	
	B	...	8	87	22	10	127	127	122	273	5	16	127	289	...	
	C	...	12	...	...	...	12	12	...	...	...	...	...	...	...	
GRAND TOTAL, PROVINCE ...	A	1	16	46	41	24	127	128	96	177	20	52	116	229	12	
	B	17	15	440	124	56	635	652	606	1,133	16	39	622	1,172	30	
	C	...	36	...	...	...	36	21	...	...	...	...	15	...	...	

N. B.—A. means cases taken into Court.
B. means cases disposed of under section 67 of Indian Forest Act 1878.
C. means undetected cases.

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL.
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

Form No. 52.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

REGISTER OF BREACHES OF FOREST RULES DURING 1893-94.

Forest Division.		Cases pending from 1892-93.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.	Remarks.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.			
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Pilibhit	A.	...	2	...	1	2	5	5	3	20	1	5	4	26	1	
	B.	...	...	3	...	1	4	4	4	5	...	...	4	5	...	
	C.	...	1	...	...	...	1	...	...	...	...	...	1	...	...	
	Total	...	3	3	1	3	10	9	7	25	1	5	9	31	1	
Kheri	A.	...	1	8	3	2	14	14	11	15	3	9	14	24	...	
	B.	...	...	3	6	...	9	9	9	17	...	...	9	17	...	
	C.	...	14	...	...	...	14	...	...	...	...	...	14	...	...	
	Total	...	15	11	9	2	37	23	20	32	3	9	37	41	...	
Bahraich	A.	...	...	5	29	...	34	34	29	44	5	7	34	51	...	
	B.	...	...	8	...	...	8	8	8	8	...	...	8	8	...	
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total	...	...	13	29	...	42	42	37	52	5	7	42	59	...	
Gonda	A.	1	2	3	2	6	13	14	4	6	9	16	13	22	1	
	B.	...	1	14	26	6	47	47	47	72	...	...	47	72	...	
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total	1	3	17	28	12	60	61	51	78	9	16	60	94	1	
Gorakhpur	A.	...	...	3	...	1	4	4	2	2	...	...	2	2	2	
	B.	12	...	2	34	...	36	48	33	85	3	13	36	98	12	
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total	12	...	5	34	1	40	52	35	87	3	13	38	100	14	
Grand Total	A.	1	5	19	35	11	70	71	49	87	18	37	67	124	4	
	B.	12	1	30	66	7	104	116	101	187	3	13	104	200	12	
	C.	...	15	...	...	...	15	...	...	...	...	...	15	...	...	

N.B.—A. means cases taken into Court.
B. means cases disposed of under section 67 of Indian Forest Act, 1878.
C. means undetected cases.

NAINI TAL,
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

[Form No. 52.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

REGISTER OF BREACHES OF FOREST RULES DURING FOREST YEAR 1893-94.

Forest Division.		Cases pending from 1892-93.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
Dehra Dùn	A.	...	...	1	2	1	4	4	4	9	...	...	4	9	...
	B.	...	...	44	8	4	56	56	52	147	4	8	56	155	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		...	...	45	10	5	60	60	56	156	4	8	60	60	...
Saharanpur	A.	...	1	...	...	...	1	1	1	1	...	...	1	1	...
	B.	...	3	30	7	2	42	42	42	85	...	...	42	85	...
	C.	...	12	...	...	...	12	12	...	...	...	...	...	...	...
Total ...		...	16	30	7	2	55	55	43	86	...	...	43	86	...
Jaunsar	A.	...	...	2	...	...	2	2	2	16	...	...	2	16	...
	B.	...	5	13	7	4	29	29	28	41	1	8	29	49	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		...	5	15	7	4	31	31	30	55	1	8	31	65	...
Grand Total ...	A.	...	1	3	2	1	7	7	7	26	...	...	7	26	...
	B	...	8	87	22	10	127	127	122	273	5	16	127	289	...
	C.	...	12	...	...	...	12	12	...	...	...	...	...	...	...

DEHRA DÚN,
The 17th September 1894.

N. B.—A. means cases taken into Court.
B. means cases disposed of under section 67 of Indian Forest Act, 1878.
C. means undetected cases.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 53.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE YEAR 1893-94.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	I.—Areas under special protection.	Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
Naini Tal Division. — Naini Tal sub-division ...	Naini Tal protected forests	1876	19,442	19,441	58	19,383	384	
	Ditto reserve ditto	1886	14,520	14,520	273	14,247	321	
	Gagar Ninglat reserve	1888	11,859	11,877	1,086	10,791	203	
	Dolmar Mora ditto	1891 & 1892	4,086	4,086	...	4,086	87	
	Total ...	...	49,901	49,924	1,417	48,507	995	
Naini Tal Division. — Ránikhet sub-division ...	Ránikhet reserve	1874 & 1893	5,068	5,076	...	5,076	128	
	Padholi protected forest	1882 & 1893	920	920	...	920	13	
	Chaubattia ditto	1882	1,208	1,208	27	1,181	22	
	Karchuli ditto	1885	213	213	...	213	9	
	Ganiadeoli ditto	1878	889	889	...	889	22	
	Kathallekh ditto	1878	1,812	1,812	...	1,812	82	
	Siuni ditto	1880	4,432	4,432	18	4,414	189	
	Siun ditto	1885	700	700	...	700	12	
	Dwarson ditto	1888	1,519	1,519	...	1,519	10	
	Bellekh ditto	1888	942	942	...	942	9	
	Bhatronj ditto	1888 & 1893	1,238	1,238	8	1,230	38	
	Chilianao ditto	1884	630	630	10	620	21	
	Airadeo ditto	1891	16,757	16,757	8,392	8,365	134	
	Siahidevi ditto	1888 & 1893	2,064	2,064	...	2,064	15	
	Machor ditto	1888	...	146	...	146	21	Last year under II. Areas protected by the ordinary establishment.
	Total ...	...	38,392	38,546	8,455	30,091	725	
	Total, Naini Tal Division ...	...	88,293	88,470	9,872	78,598	1,720	

		Deckauri Range.						
		Sanani	1890	2,513	2,513	...	2,513	
		Kalianpur	1891	2,738	2,738	...	2,738	
		Dhamola	1891	1,656	1,656	...	1,656	
		Narni (north part of)	1893	5,709	5,709	1,370	4,339	
		Deigaon	1893	3,679	3,679	1,675	2,004	750
		Kaladhungi	1894	...	2,860	615	2,245	
		Pawalgarh	1894	...	2,323	...	2,323	
		Chunakhan	1894	...	3,239	...	3,239	
		Musabangar	1894	...	5,286	...	5,286	
		Fatehpur Range.						
		Bhakra	1888	2,331	2,331	...	2,331	
		Moua	1890	4,686	4,686	...	4,686	
		Fatehpur	1894	...	4,095	...	4,095	240
		Beluti	1894	...	2,818	...	2,818	
		Kathgodam (west part of)	1894	...	1,685	...	1,685	
		Chakhata Range.						
		Horai (east part)	1876	3,779	3,779	...	3,969	
		Do. (west part)	1890					
		Do.	1894	...	190			
11	Kumaun	Lakhmanmandi (east of Banga raula) ...	1883					
		Ditto (Sanman thapla) ...	1888	2,176	2,176	...	2,176	1,007
		Ditto (west of Banga raula) ...	1890					
		Jampokhra (east of Jam Rau)... ...	1890	2,724	2,724	...	2,724	
		Ditto (west of ditto)... ...	1891					
		Patrani	1890	2,918	2,918	...	2,918	
		Asni	1890	2,530	2,530	...	2,530	
		Garkharak	1894	...	3,120	...	3,120	
		Nandkaur Range.						
		Silani	1882	1,808	1,808	...	1,808	
		Khonani, south	1882	1,558	1,558	...	1,558	
		Ditto, north	1883	1,560	1,560	...	1,560	
		Bhalsani	1883	1,287	1,287	...	1,287	
		Aonla Khera, north	1883	1,711	1,711	...	1,711	
		Ditto, south	1883	1,502	1,502	...	1,502	
		Rata Rau	1884	868	868	...	868	
		Gaunia Rau	1887	2,165	2,165	...	2,165	
		Chila	1887	2,088	2,088	...	2,088	
		Kholgarh, south	1887	2,963	2,963	...	2,963	1,357
		Ditto, north	1887	2,793	2,793	...	2,793	
		Durgapipal (most of)	1888	2,096	2,096	...	2,096	
		Ditto (compartments 9, 10 and 11) ...	1889					
		Sunkheri	1889	1,033	1,033	...	1,033	
		Balot, south	1889	1,109	1,109	...	1,109	
		Do., north	1889	2,135	2,135	...	2,135	
		Karakot	1890	4,690	4,690	...	4,690	
		Lowar nala (south-east part of) ...	1893	1,164	1,164	...	1,164	
		Uparla Gannia Rau	1894	...	748	...	748	

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FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE YEAR 1893-94—(*continued*).

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	Jaula Sál Range.	Acres.	Acres.	Acres.	Acres.	Acres.	Rs	
Kumaun—(*contd.*)	Jaula Sál, east and west	1876	7,592	7,592	100	7,492	1,331	
	Sudlimat	1890	4,305	4,305	10	4,295		
	Bhurgot	1890	5,473	5,473	20	5,453		
	Birgot	1890	4,078	4,078	...	4,078		
	Chamua Dhunga	1890	4,759	4,759	...	4,759		
	Chungadh	1890	5,445	5,445	...	5,445		
	Hatgadh	1,890 & 1892	3,614	3,614	...	3,614		
	Ditto (S. part)	1894	...	550	...	550		
	Sara Naddi Range.							
	Sarra, north (W. of Patkholi line)	1889	5,377	5,377	...	5,377	450	
	Ditto (W. of Dharapani)	1890						
	Ditto (Remainder)	1891						
	Sarra, south (West of Patkholi line)	1889	2,913	2,913	...	2,913		
	Ditto (Remainder)	1890						
	Katol	1890	1,366	1,366	...	1,366		
	Dogari Range.							
	Dulagadh	1887	5,376	5,376	...	5,376	878	
	Laibar	1890	8,117	8,117	...	8,117		
	Kumia	1890	5,645	5,645	...	5,645		
	Kalonia, east	1892	2,867	2,867	...	2,867		
	Ditto (small portion)	1893						
	Kalonia, west	1890	2,198	2,198	...	2,198		
	Sarda Range.							
	Chandni	1876	403	403	...	403	1,233	
	Naghan	1890	3,607	3,607	...	3,607		
	Jariakhal	1890	2,579	2,579	1,215	1,364		
	Guliapani, N. (N.-E. half)	1891	1,974	1,974	...	1,974		
	Ditto (remainder)	1893						

	Chini (part taken over Kakrali plains) ...	1891	666	8,302	...	8,552			
	Ditto	1892	7,636						
	Chini (N.-E. corner)	1894	...	250					
	Bastia S.	1892	1,303	1,303	...	1,303			
	Total ...	...	*1,57,262	1,84,426	5,005	1,79,421	7,246	*This area was shown last year as 1,52,629 acres. But a revision of area shows it to be 1,57,262 acres.	
Garhwál	North Patli Dun (part of Patli Dun forest block No. II).	1878	45,692	45,692	...	45,692	2,095		
	Ditto Mandhal block ..	1893 1894	1,262	1,262 460	...	1,722	148		
	Ditto Naitha Dhurgaon block ...	1893 1894	3,732	3,732 2,211	...	5,943	233		
	South Patli Dun (part of Patli Dun forest block No. II).	1873	24,588	24,588	...	24,588	1,838		
	Garhibulchand (part of forest block No. VII).	1877	8,996	8,996	...	8,996	764		
	Behar (part of Behar forest block No. VIII),	1881	11,531	11,531	220	11,311	928		
	Chilkia (part of Chilkia forest block No. IV),	1874	50,620	50,620	...	50,620	1,654		
	Kotah (part of Kotah forest block No. V),	1877	36,178	36 178	3,540	32,638	1,276		
	Kailkhur (part of Dabka forest block No. VI).	1888	4,104	4,104	...	4,104			
	Total ...	...	1,86,703	1,89,374	3,760	1,85,614	8,936		
	Gori Range.								
	Kunaon, compartments 1, 2, 3, 5 to 7 ...	1887	7,923	6,615	...	6,615			
	Kauria chaor, compartments 1 and 2 ...	1881	2,169	2,169	...	2,169			
	Andher Majhera, ditto 1 and 2 ...	1881	1,412	1,412	...	1,412			
	Dogadda ditto 1, 2 and 3 ...	1881	2,724	2,724	...	2,724	546		
	Ditto ditto 5	1893	838	838	...	838			
	Jogiehaur	1881	671	671	...	671			
	Mandhal, compartments 2 to 10 ...	1881	8,043	8,043	...	8,043			
	Chandi Range.								
Ganges	Hazara, compartments 1 and 2 ...	1881 & 1889	2,342	2,342	...	2,342	327		
	Luni, ditto 1, 2, 3, 4, 7 to 11 ...	1890 & 1892	9,503	7,675	...	7,675			
	Udepur Range.								
	Rawasan, compartments 6 and 7 ...	1890	1,291	1,291	...	1,291			
	Ditto ditto 5 ...	1892	291	291	...	291			
	Ditto ditto 1 and 2 ...	1893	1,302	1,302	...	1,302			
	Sukrao ditto 1 and 2 ...	1882	1,112	1,112	...	1,112	578		
	Gwalgarh ditto 1 to 5 ...	1887	3,399	3,399	...	3,399			
	Malan 1 and 2	1890	1,472	1,472	...	1,472			
	Sigaddi, ditto compartments 1, 2, 6, 7 and 8	1893	3,517	3,517	...	3,517			
	Ditto ditto 20 and 21 ...	1894	...	1,861	...	1,861			

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FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE YEAR 1893-94.—(*continued*).

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	Kohtri Range.	Acers.	Acers.	Acers.	Acers.	Acers.	Rs.	
Ganges—(*contd.*)	Dabina compartments 1 to 49 ...	1886 to 1890	11,032	11,032	...	11,032	1,442	
	South Kohtri, ditto 16, 18 to 20 ...	1889	3,955	3,955	...	3,955		
	North Kohtri, ditto 1 to 23 ...	1890 & 1892	11,799	11,800	24	11,776		
	Nauri ditto 1 and 3 ...	1891	979	979	...	979		
	Cheula ditto 1 and 2 (parts of) ...	1891	252	335	...	335		
	Sona nadi Range.							
	Shisham khata	1877	3,737	3,737	...	3,737	719	
	North Sona nadi	1889	13,975	14,007	...	14,007		
	Palain Range.							
	Mandalti, compartments 1 to 27 ...	1888	8,616	8,616	...	8,616	1,025	
	Kansur ditto 1 to 22 ...	1888	8,637	8,637	...	8,637		
	Tumaria ditto 1 to 13 ...	1888	4,011	4,011	...	4,011		
	Kugad ditto 1 to 14 ...	1891	3,480	3,480	...	3,480		
	Total ...	...	1,18,482	1,17,323	24	1,17,299	4,637	
	Jhansi Range and Pargana.							
Bundelkhand	Dhukwan and Sakwan blocks	1874	2,239	2 239	...	2,239	194	
	Bajna block	1888	539	539	...	539		
	Lalitpur Range.							
	Kachnoda forests	1888 & 1893	237	237	...	237	339	
	Sairwas	1888 & 1893	184	184	...	184		
	Deogarh	1875 & 1892	981	1,000	...	1,000		
	Garauli	1875	751	751	...	751		
	Talbehat pargana forests	1888, 1892 & 1893	11,921	11,921	...	11,921		

		Banda Range.							
		Ranipur	1892	15,713	16,220	2,579	13,641		
		Chowri Donda	1892	11,389	14,967	1,484	13,483		
		Kolhua	1892	6,177	6,182	540	5,642	775	
		Matdar	1892	6,635	6,729	...	6,729		
		Manikpur	1892	10,899	10,899	36	10,863		
		Total ..	...	67,665	71,868	4,639	67,229	1,308	
		Total I. ...	...	6,18,405	6,51,461	23,300	6,28,161	23,847	
		II.—Areas protected by the Ordinary establishment.							
Naini Tal Division—Rani Khet Sub-Division. ...		Machor protected forest	1888	146	...	...	...	...	See I.—Areas under special protection.
		Total ...	...	146	...	...	...	...	

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FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING YEAR 1893-94.—(*concluded*).

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
		Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
Ganges	Paniali	1894	...	516	...	516	...	
	Bijorghat	1894	...	1,090	...	1,090	...	
	Lansdowne Reserve	1894	...	13,954	2,042	11,912	4	
	Total ...	...	...	15,560	2,042	13,518	4	
Bandelkhand	*Jhansi Range.*							
	Remaining forest blocks in Jhansi Pargana,	1888 & 1893	12.445	12,446	310	12,136	...	
	Mau Pargana forests	1888	6,925	6,925	...	6,925	...	
	Garotha	1888	6,513	6,513	...	6,513	...	
	Moth	1888	1,952	1,952	...	1,952	...	
	Lalitpur Range.							
	Bansi forests	1888 & 1893	5,534	5,535	...	5,535	...	
	Banpur do.	1888	4,532	4,532	...	4,532	...	
	Balabehat do.	1888, 1892 & 1893	26,798	28,654	2,195	26,459	...	
	Mehroni do.	1892 & 1893	1,620	1,620	...	1,620	...	
	Maraura do.	1892	34,886	36,668	8,832	27,836	...	
	Banda Range.							
	Ranipur-Kalianpur	1894	...	5,729	...	5,729	...	
	Chauri-Donda	1894	...	1,549	...	1,549	...	
	Manikpur	1894	...	39	...	39	...	
	Tikaria	1894	...	13,140	2,074	11,066	...	
	Total ...	...	1,01,205	1,25,302	13,411	1,11,891	...	
	Total II. ...	...	1,01,351	1,40,862	15,453	1,25,409	4	
	GRAND TOTAL ...	...	*7,19,756	7,92,323	38,753	7,53,570	23,851	
	TOTAL FOR 1893 ...	...	†6,83,744	‡7,27,647	7,891	7,19,756	20,334	
	Central Circle	...	7,19,756	7,92,323	38,753	7,53,570	23,851	
	Oudh Circle	...	5,93,122	6,11,098	42,534	5,68,564	21,859	
	School Circle	...	4,23,659	4,28,281	19,919	4,08,362	7,257	
	GRAND TOTAL, PROVINCE ...	...	17,36,537	18,31,702	1,01,206	17,30,496	52,967	

* See note against Kumaun Division which explains this increase in area.

†‡ The figures last year were ‡681,639, and 7,15,023, but to allow of true comparison with 1894 the revised areas have been taken.

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. Provinces and Oudh.

Form No. 53.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1893-94.

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	Closed Reserves.		Acres.	Acres.	Acres.	Acres.	Rs	
Pilibhít ...	North Pilibhít	1880	9,196	19,642	12,238	7,404		
	East "							
	South-east "							
	Mainakot	1881	14,035	16,540	13,357	3,183		
	Dhanaraghát	1886	6,229	6,224	...	6,224		
	Total ...	...	29,460	*4[illegible]406	25,595	16,811	1,643	* 130 acres deducted for fire lines widened.
	Restricted Reserves.							
	West Pilibhít	1892	6,421	6,603	50	6,553		
	South-west Pilibhít	"	197	2,220	...	2,220		
	The 12 restricted compartments in Pargana Puranpur ...	1893	18,510	21,555	8,266	13,289		
	Total ...	...	25,128	30,378	†8,316	22,062	318	† 44 acres deducted for fire lines widened.
	GRAND TOTAL ...	...	54,588	72,784	33,911	38,873	1,961	
Kheri ...	Kanjaria	1887-1893	5,381	17,970	10	17,960	...	500 acres of Bundi block were excluded from protected area.
	Dudua	1872-1876-1893	22,739	28,230	...	28,230	...	
	Khairigarh	1880-1887-1893	43,571	41,551	...	41,551	...	
	Bhira	1877-1885 1886-1888-1890	39,750	4,3280	3,130	40,150	..	
	Total ...	...	111,441	131,031	3,140	127,891	...	
	Kanjaria	1891	19,209	3,377	...	3,377	...	Half of the areas in paragraph 18 of the working plan entered under grass lands and nalas is estimated to be inside the closed forest and protected from fire.
	Dudua	"	20,062	7,441	...	7,441	...	
	Khairigarh	"	12,549	7,285	...	7,285	...	
	Bhira	"	40,914	50,439	1,898	48,541	...	
	Total ...	...	92,734	68,542	1,898	66,644	...	
	GRAND TOTAL ...	...	204,175	199,573	5,038	194,535	9,687	

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FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1893-94—(*continued*).

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	Motipur Range.							
Bahraich ...	Nishangara (closed) ...	1878	21,120	21,120	...	21,120		
	Ditto (rest of forest) ...	,,	5,120	5,120	...	5,120		
	Dharmanpur (closed) ...	1885	1,280	1,280	...	1,280		
	Ditto (open) ...	,,	1,920	1,920	...	1,920		
	Salarpur	,,	1,280	1,280	...	1,280		
	Dharmanpur (rest of forests) ...	,,	4,480	4,480	...	4,480		
	Murtiha (closed) ...	,,	17,190	17,280	...	17,280		
	Bamboo (do) ...	1881	640	640	...	640		
	Babayi (do.) ...	1886	3,840	3,840	...	3,840		
	Do. (rest of forests) ...	,,	5,760	5,760	...	5,760		
	Bardia (open forests) ...	1887	2,240	2,240	...	2,240		
	Total ...	...	64,870	64,960	...	64,960	2,133	
	Chakia Charda Range.							
	Chakia (closed) ...	1885	5,120	5,120	...	5,120		
	Do. (open) ...	,,	9,600	9,600	10	9,590		
	Charda (closed track No. 1) ...	,,	1,560	1,560	...	1,560		
	Do. (ditto. No. 2) ...	,,	880	880	...	880		
	Do. (ditto. No. 3) ...	,,	400	400	...	400		
	Do. (open forests) ...	,,	5,480	5,480	...	5,480		
	Total ...	...	23,040	23,040	10	23,030	475	

	Bhinga Range							
Bahraich ...	Kakardari (closed)	1875	22	22	...	22		
	Asneria (closed)	"	16	16	...	16		
	Shadilalganj (compartment 3)	1884	784	784	...	784		
	Kakardari (rest of forest)	1877	10,058	10,058	...	10,058		
	Bartha block (compartment No. 5)	1884	1,565	1,565	...	1,565		
	Ditto (rest of forests)	1878	13,795	13,795	...	13,795		
	Ponsonbyganj (compartment No. 3)	1875	1,560	1,560	...	1,560		
	Ditto (Ditto No. IV)	1878	1,450	1,450	...	1,450		
	Ditto (rest of closed tract)	1885	5,025	5,025	...	5,025		
	Ditto (open forest)		4,765	4,765	...	4,765		
	Gabbapur (closed)	1886	10,130	10,880	...	10,880		
	Ditto (open)		7,040	7,040	...	7,040		
	Sonpathri (closed)		3,200	3,200	...	3,200		
	Ditto (open)		0	9,600	...	9,600		
	Total ...	...	69,010	69,760	...	69,760	2,471	
	Grand Total ...	...	1,56,920	1,57,760	10	1,57,750	5,079	
	Barehwa Range.							
	Pipra	1880	4,583	4 583	...	4,583		
	Khairman		4,730	4,730	6	4,724		
	Tikulygarh		4,564	4,564	...	4,564		
	Rahtawal		4,687	4,687	...	4,687	118	
	Barehwa		4,143	4,143	...	4,143		
	Badwar		5,279	5,279	...	5,279		

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FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1893-94.

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	Tulsipur Range.							
Gonda ...	Naud Mahra	1880	3,337	3,337	...	3,337	71	
	Bhainsasur		5,647	5,647	...	5,647		
	Baghel Khand		2,031	2,031	...	2,031		
	Odeypur		1,748	1,748	...	1,748		
	Newalgarh		3,229	3,238	...	3,238		
	Janakpur		1,964	1,964	...	1,964		
	Jerwa		4,449	4,451	...	4,451		
	Sungarha		4,371	4,371	...	4,371		
	Mansarwa		2,097	2,097	...	2,097		
	Bhamhar Range.							
	Sakra	1880	4,437	4,462	...	4,462	241	
	Rajdirwa		1,719	1,719	...	1,719		
	Bhusahar		2,875	2,875	...	2,875		
	Chandanpur		4,827	4,827	...	4,827		
	Nerehwa		4,848	4,911	838	4,073		
	Birpur		3,175	3,175	...	3,175		
	Marni		3,703	3,703	...	3,703		
	Kanchanpur		4,321	4,321	270	4,051		

Nawabganj Range.										
Jaipur (Andhawa)	...	...	...	...	1880	216	216	...	216	
Ditto (Bhainsasur)	...	...	...	...		318	318	...	318	
Sambhu Nagar	...	...	...	...		459	459	...	459	
Ramgarh	...	...	...	...		2,552	2,553			
Debinagar	...	...	...	...	1891	406	448	1,341	2,939	279
Janlinagar	...	...	...	...	1882	939	1,279			
Lower Manwar	...	...	...	...		1,124	2,625	1,120	4,340	
Upper ditto	...	...	...	...		2,810	2,810			
Ashrafabad	...	...	...	...	1887 & 1891	1,425	1,483	...	1,483	
				Total	...	97,013	99,079	3,575	95,504	709

NAINI TAL :
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle, N.-W. P. and Oudh.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

Form No. 53.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1893-94—(*continued*).

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	Southern Range.							
	Ramgarh	1875	4,489	4,614	...	4,614	2,794	
	Tilkonia		1,857	1,857	...	1,857		
	Bhillampur		2,133	2,133	...	2,133		
	North Banki		892	892	...	892		
	South Banki		1,274	1,274	...	1,274		
	Bhari Babban		1,884	1,884	...	1,884		
	Bhari Baisi		4,110	4,110	...	4,110		
	West Lehra, No. 1.		11,757	11,693	...	11,693		
	Ditto No. 2.		433	497	...	497		
	Total ...	...	28,829	28,954	...	284	2,794	
	Central Range.							
Gorakhpur.	Dudhai	1875	9,944	9,948	...	9,948	811	
	East Lehra		8,095	8,095	...	8,095		
	Total ...	...	18,039	18,039	...	18,039	811	
	Northern Range.							
	Sonari	1875	22,753	22,753	...	22,753	818	
	Nagwa		8,599	8,578	...	8,578		
	Sakhui Sisu plantation	1886	2,206	2,206	...	2,206		
	Arazi Tulsi Ram Dubey	1894	...	1,369	...	1,369		
	Total ...	...	35,558	34,906	...	34,906	818	
	GRAND TOTAL ...	...	5,93,122	6,11,098	42,534	5,68,564	21,859	

NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle, N.-W. P. and Oudh.

[Annual Form No. 53.

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE DRY SEASON 1894, TO ACCOMPANY REPORT FOR 1893-94.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
			Acres.	Acres.	Acres.	Acres.	Rs.	
Dehra Dún ...	**Jumna Range.**							
	Ambari	1887	4,203	4,203	..	4,203	55	
	Chandpur	1887	2,251	2,251	130	2,121	91	
	Jumna	1886	8,156	8,156	...	8,156	69	
	Timli	1884	19,240	19,240	...	19,240	144	
	Total ...	...	33,850	33,850	130	32,720	359	
	Malhan Range.							
	Dholkot	1884	4,688	4,688	80	4,608	104	
	Sherpur	1884	13,828	13,828	...	13,828	95	
	Chandrabani	1878	7,053	7,053	...	7,053	96	
	Total ...	...	25,569	25,569	80	25,489	295	
	Ramgarh Range.							
	Ramgarh	1878	10,215	10,215	...	10,215	157	
	Bulawala	1872	14,434	14,434	...	14,434	108	
	Total ...	...	24,649	24,649	...	24,649	265	
	Lachiwala Range.							
	Nagsidh	1883	13,523	13,523	...	13,523	241	
	Thano	1877	6,544	6,544	12	6,532	173	
	Malkot	1888	5,641	5,641	...	5,641	283	
	Total ...	...	25,708	25,708	12	25,696	697	
	Ganges Range.							
	Kansrau	1878-81	14,600	14,600	...	14,600	387	
	Motichur	1883	18,956	18,960	8,226	10,734	369	
	Total ...	...	33,556	33,560	8,226	25,334	756	
	Tirsal Range.							
	Tirsal	1887	13,836	13,836	51	13,785	387	
	Birbhaddar	1888	50	50	27	23	369	
	Total ...	...	13,886	13,886	78	13,808	756	
	Total Dehra Dún Division ...	...	157,218	157,222	8,526	148,696	3,136	
Saháranpur ...	**Western Range.**							
	Khara	1879	9,612	9,612	...	9,612	75	
	Badshaibagh	1885	7,730	7,730	...	7,730	45	
	Chapri	1885	4,051	4,051	163	3,888	64	
	Khaironwala	1885	5,169	5,169	2,039	3,130	222	
	Barkala	1885	7,218	7,218	826	6,392	42	
	Kasumri	1885	3,754	3,754	6	3,748	41	
	Sahensra	1885	6,643	6,643	...	6,643	10	
	Kotri	1885	3,883	3,883	...	3,883	37	
	Kaluwala	1885	5,840	5,840	1,406	4,434	95	
	Shahajhanpur	1887	9,566	9,572	1,103	8,469	94	
	Khajnawar	1887	8,392	8,392	123	8,269	62	
	Budhaban	1887	3,981	3,981	4	3,977	35	
	Mohand	1884	6,131	6,131	...	6,131	78	
	Total ...	...	81,970	81,976	5,670	76,306	900	
	Central Range.							
	Sukh	1884	5,111	5,111	...	5,111	44	
	Chilawalla	1882	7,782	7,782	...	7,782	9	
	Gaj	1882	3,578	3,578	...	3,578	11	
	Andheri	1882	5,719	5,719	...	5,719	29	
	Dholkhand	1880	3,916	3,916	...	3,916	27	
	Malowala	1880	2,122	2,122	...	2,122	5	
	Bam	1880	3,013	3,013	...	3,013	24	
	Betban	1882	6,781	6,781	...	6 781	80	
	Gholna	1886	3,746	3,746	...	3,746	51	
	Lálwála	1884-93	2,761	2,761	...	2,761	50	
	Baniawála	1883-93	2,762	2,762	90	2,672	58	
	Lakarkot	1879	3,646	3,646	...	3,646	115	
	Ganjerban	1879	2,833	2,833	...	2,833	125	
	Basulpur	1879	1,139	1,987	...	1,987	49	
	Sendhli	1883	2,560	2,560	...	2,560	86	
	Sakrauda	1893	500	500	...	500	49	
	Tira	1884	1,791	1,791	...	1,791	107	
	Total ...	...	59,760	60,608	90	60,518	919	

[Annual Form No. 53.

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE DRY SEASON 1894, TO ACCOMPANY REPORT FOR 1893-94—(*Continued.*)

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
			Acres.	Acres.	Acres.	Acres.	Rs.	
Saharánpur ...	**Eastern Range.**							
	Harnaul	1886	2,035	2,035	...	2,035	57	
	Chirak	1886	3,860	3,860	1,418	2,442	160	
	Rauli	1879	3,038	3,038	1,350	1,688	86	
	Ranipur	1879	4,885	4,885	2,376	2,509	131	
	Maiapur	1886	1,361	1,361	96	1,265	97	
	Pathri	1880	81	81	...	81	42	
	Total ...	...	15,260	15,260	5,240	10,020	573	
	Total Saharánpur Division ...	...	156,990	157,844	11,000	146,844	2,392	
Jaunsár ...	**Deoban Range.**							
	Kalsi	1872	4,576	4,576	...	4,576	14	
	Oak Forests, South of Chakrata ...	...	775	775	...	775	17	
	Cantonment blocks and Forest Garden.	1880	526	526	1	525	18	
	Lokandi	1869	6,094	6,094	2	6,092	40	
	Deoban	1872	5,785	5,790	...	5,790	37	
	Ekra	1872	3,496	3,526	1	3,525	27	
	Konain	1872	4,087	4,177	...	4,177	107	
	Karamba	1872	2,050	2,050	...	2,050	23	
	Barasti, Punaha Khopti	1892-93	2,254	2,256	...	2,256	14	
	Total ...	...	29,643	29,770	4	29,766	297	
	Bawar Range.							
	Riknargadh	1872	5,570	7,074	300	6,774	150	
	Dharagadh	1872	6,715	6,715	...	6,715	80	
	Dharmigadh	1872	3,372	3,394	19	3,375	140	
	Bastil	1875	1,669	1,669	...	1,669	60	
	Rangwar	1884	97	109	...	109	20	
	Total ...	...	17,423	18,961	319	18,642	450	
	Deota Range.							
	Chatra Working Circle	1879-84	4,157	4,157	70	4,087	265	
	Deota	1879-84	4,937	4,937	...	4,937		
	Bamsu	...	2,323	2,323	...	2,323	170	
	Suras	...	1,234	1,191	...	1,191		
	Datmir	1872	2,560	3,433	...	3,433	16	
	Naintwar	1885	3,450	3,004	...	3,004		
	Salhra	1885	9,410	8,359	...	8,359	90	
	Noranu	1885	1,519	1,580	...	1,580		
	Total ...	...	29,590	28,984	70	28,914	541	
	Deogarh Range.							
	Deogarh	1875-76	5,779	5,779	...	5,779	170	
	Raiengarh	1880	5,425	5,425	...	5,425	11	
	Dadi	1880	1,865	1,990	...	1,990	40	
	Total ...	...	13,069	13,194	...	13,194	221	
	Kotigadh Range.							
	Chansil	1885	13,000	14,401	...	14,401	61	
	Kotigadh	1879	3,843	5,022	...	5,022	40	
	Lambatach	1879	2,883	2,883	...	2,883	119	
	Total ...	...	19,726	22,306	...	22,306	220	
	Total Jaunsár Division ...	...	109,451	113,215	393	112,822	1,729	
	Grand Total for the Circle ...	...	423,659	428,281	19,919	408,362	7,257	

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 54.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA CLOSED AND OPEN TO GRAZING DURING 1893-94.

Division.	Area, in square miles.					Remarks.
	Closed to all animals.		Closed to browsers (camels, goats or sheep).		Open to all animals.	Total area.	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
1	2	3	4	5	6	7	8
			Reserved Forests.				
Naini Tal ... Naini Tal Sub-Division	5	...	...	...	43	48	
Naini Tal ... Ranikhet do.	8	...	...	...	...	8	
Kumaun	220	72	...	...	183	475	
Garhwál	284	121	...	...	65	470	
Ganges	184	88	...	...	168	440	
Bundelkhand Jhansi	3	...	45	...	...	48	
Bundelkhand Lalitpur	5	...	133	...	...	138	
Bundelkhand Banda	...	...	86	...	...	86	
Total ...	709	281	264	...	459	1,713	By mileage of Divisions separately, but 1,712 by equivalent in square miles of the aggregate acreage.
			Protecte Forests.				
Naini Tal ... Naini Tal Sub-Division	12	...	...	...	18	30	
Naini Tal ... Ranikhet do.	4	...	...	...	56	60	
Bundelkhand—Lalitpur	...	...	4	...	...	4	
Total ...	16	...	4	...	74	94	
			Unclassed Forests.				
Bundelkhand–Banda	...	...	32	...	...	32	
Total ...	...	...	32	...	...	32	
Total, Central Circle ...	725	281	300	...	533	1,839	
Oudh Circle	639	34	...	...	570	1,243	
School Circle	214	72	318	..	217	821	
GRAND TOTAL, PROVINCE ..	1,578	387	618	...	1,320	3,903	

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, North-Western Provinces and Oudh.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH. **Form No. 54.**

AREA CLOSED AND OPEN TO GRAZING DURING 1893-94.

Division.	Area in square miles.						Remarks.
	Closed to all animals.		Closed to browsers (camel, goats or sheep).		Open to all animals.	Total.	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
1	2	3	4	5	6	7	8
			Reserved Forests.				
Pilibhít	68	34	...	...	48	150	
Kheri	233	...	...	...	202	435	More accurate figures of working plan adopted.
Bahraich	128	...	...	...	203	331	The difference of 7 square miles with old records is owing to error discovered and rectified in Bhinga Range.
Gonda	82	...	...	...	73	155	
Gorakhpur	128	...	...	...	44	172	Increase of 3 square miles due to reservation of unclassed forests.
Total	639	34	...	...	570	1,243	

NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle, N.-W. P. and Oud.

Form No. 54.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. P. AND OUDH.

AREA CLOSED AND OPEN TO GRAZING DURING FOREST YEAR 1893-94.

Division.	Area in square miles.					Remarks.
	Closed to all animals.		Closed to browsers (camels, goats or sheep).		Open to all animals.	Total area.	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year		
1	2	3	4	5	6	7	8
Reserved Forests.							
Dehra Dún...	66	33	* 148	...	30	277	*Closed to goats and sheep, except those admitted under the privilege rules.
Saharanpur	61	† 39	170	...	25	295	†Closed from 1st March to the beginning of the rains.
Jaunsar	60	...	...	...	90	150	
Total	187	72	318	...	145	722	
Leased Forests.							
Jaunsar	26	..	...	...	59	85	
Unclassed Forests.							
Dehra Dun...	...	...	...	...	13	13	District waste lands.
Jaunsar	1	...	...	...	...	1	Cantonment Forests near Chakrata.
Total	1	.	..	...	13	14	
GRAND TOTAL	214	72	318	...	217	821	

DEHRA DUN,
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 55.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

RETURN OF GRAZING IN THE STATE FORESTS DURING 1893-94.

Division.	Grazing on payment.						Number of Animals.						
	At full rates.						At privileged rates.						
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Fees received. Actual.	Fees received. Value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
						Rs.						Rs.	Rs.
Reserved Forests.													
Naini Tal	332	451	215	10	28	300	...	...	...	...	...	...	...
Kumaun	3,888	10,089	567	...	220	7,044	...	...	11,537	...	...	361	721
Garhwál	2,234	5,064	1,351	5	96	2,278	2,168	5,839	28,968	...	7	2,457	4,382
Ganges	5,124	9,974	1,853	...	50	5,166	15	227	...	...	...	32	64
Bundelkhand	3,889	27,869	...	...	...	2,227	...	...	...	...	...	...	...
Total, Reserved Forests ...	15,467	53,447	3,986	15	394	17,035	2,183	6,066	40,505	...	7	2,850	51,67
Protected Forests.													
Naini Tal	334	617	756	233	48	420	...	...	...	...	...	...	...
Bundelkhand	...	...	...	...	...	...	...	...	...	...	...	...	...
Total, Protected Forests ...	334	617	756	233	48	420	...	...	...	...	...	...	-
Unclassed Forests.													
Bundelkhand	...	...	...	...	...	...	...	...	...	...	...	...	...
Total, Unclassed Forests ...	...	...	...	...	...	...		...	...	...	...	...	...
Abstract.													
Reserved Forests	15,467	53,447	3,986	15	394	17,035	2,183	6,066	40,505	...	7	2,850	5,167
Protected Forests	334	617	756	233	48	420	...	...	...	...	...	...	...
Unclassed Forests	...	...	...	...	...	...	...	...	...	...	...	...	..
TOTAL, CENTRAL CIRCLE ...	15,801	54,064	4,742	248	442	17,455	2,183	6,066	40,505	...	7	2,850	5,167
Oudh Circle	12,766	60,474	1,906	...	1	11,233	40,126	2,19,669	24,481	6	1,369	39,591	62,670
School Circle	12,188	45,594	21,512	7,526	10,772	23,742	1,430	11,515	175	...	...	1,810	3,620
GRAND TOTAL, PROVINCE	40,755	1,60,132	28,160	7,774	11,215	52,430	43,739	237,250	65,161	6	1,376	44,251	71,457

[Form No 55.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

RETURN OF GRAZING IN THE STATE FORESTS DURING 1893-94.—(*concluded*).

Division.	Grazing free. By right under Settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Number of animals. During pleasure of Government, or otherwise than under settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates	Total value of Fees at full rates.	GRAND TOTAL OF VALUE AT FULL RATES.
1	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.	Rs.
						Reserved Forests.								
Naini Tal ...	592	3,082	37	...	...	1,090	...	...	...	...	...	...	1,423	1,723
Kumaun ...	(a) 72	51	41	...	...	334								
Garhwal ...	20,916	34,981	5,355	...	478	19,657	...	...	...	...	...	...	19,657	27,422
Ganges ..	2,272	18,254	3,272	...	...	5,904	20	496	198	...	...	146	6,050	12 710
Bundelkhand ...	246	8,994	3,577	...	4	2,556	20	1,078	34	...	2	301	2,897	8,147
	472	1,416	...	...	...	147	...	...	...	...	...	...	147	2,374
Total Reserved Forests ...	24,570	66,778	12,636	...	482	29,727	40	1,574	540	...	2	447	30,174	52,376
						Protected Forests.								
Naini Tal ...	4,756	22,517	6,553	...	...	8,417	...	...	...	...	...	...	11,440	11,860
Bundelkhand ...	(b) 502	630	696	...	...	3,023								
	...	...	...	...	...	..	2,013	3,841	...	...	...	492	492	492
Total Protected Forests ...	5,258	23,147	7,249	...	...	11,440	2,013	3,841	...	...	...	492	11,932	12,352
						Unclassed Forests.								
Bundelkhand ...	666	4,153	...	...	...	343	...	...	...	...	...	...	343	343
Total Unclassed Forests ...	666	4,153	...	...	...	343	...	...	...	...	...	...	343	343
						Abstract.								
Reserved Forests ...	24,570	66,778	12,636	...	482	29,727	40	1,574	540	...	2	447	30,174	52,376
Protected Forests ...	5,258	23,147	7,249	...	...	11,440	2,013	3,841	...	...	...	492	11,932	12,352
Unclassed Forests ...	666	4,153	...	...	...	343	...	...	...	...	...	...	343	343
Total, Central Circle ...	30,494	94,078	19,885	...	482	41,510	2,053	5,415	540	...	2	939	42,449	65,071
Oudh Circle ...	3,341	18,238	...	...	...	5,090	1,251	5,462	889	...	40	2,146	7,236	81,139
School Circle ...	399	18,331	61,464	...	...	9,023	...	3,680	...	...	...	690	690	37,075
GRAND TOTAL, PROVINCE ...	34,234	1,30,647	81,349	...	482	55,623	3,304	14,557	1,429	...	42	3,775	50,375	1,83,285

DATED NAINI TAL:
The 25th September 1894.

(a) and (b)—Grazing in excess of settlement rights.

H. C. HILL,
Conservator of Forests, Central Circle N.-W. P. and Oudh.

[Form No. 55.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

RETURN OF GRAZING IN THE STATE FORESTS DURING 1893-94.

Division.	Grazing on payment— At full rates.						Number of animals— At privileged rates.							Grazing free. By right under Settlement.						Number of animals— During pleasure of Government, or otherwise than under Settlement.						Total value of fees at full rates.	Grand total of values at full rates.
												Fees received.															
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.						Rs.						R-.	Rs.	Rs.
Pilibhit ...	16	27	...	...	...	13	988	4,290	272	...	...	709	1,307	3,341	18,238	..	...	...	5,090	...	...	...	...	...	...	15,090	6,410
Kheri ...	2,301	13,690	804	...	...	2,478	11,807	82,277	3,697	...	222	12,932	20,729	...	...	...	...	...	...	1,251	5,462	889	...	...	1,705	1,705	24,912
Bahraich ...	4,929	17,320	476	...	...	2,904	21,492	1,03,849	17,169	4	1,147	18,921	32,019	...	...	...	...	...	...	...	...	...	...	...	...	...	34,923
Gonda ...	313	2,135	626	...	1	596	5,839	29,253	3,343	2	...	7,029	8,615	...	...	...	...	...	...	...	...	...	...	40	441	441	9,652
Gorakhpur ...	5,207	27,302	...	...	...	5,242	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	5 242
Total ...	12,766	60,474	1,906	...	1	11,233	40,126	2,19,669	24,481	6	1,369	39,591	62,670	3,341	18,238	..	...	...	5,090	1,251	5,462	889	...	40	2,146	7,236	81,139

NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle, N.-W. P. and Oudh.

Form No. 55.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

RETURN OF GRAZING IN THE STATE FORESTS DURING FOREST YEAR 1893-94.

Division.	Grazing on Payment. Number of Animals. At full rates. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.	At privileged rates. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received. Actual.	Value at full rates.	Grazing Free. Number of animals. By right under Settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates	During pleasure of Government or otherwise than under Settlement. Buffaloes	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Grand total of value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Reserved Forests.						Rs.						Rs.							Rs.								Rs.
Dehra Dùn ...	2,239	16,605	1,102	2,035	3,369	6,329	817	8,523	65	...	...	1,273	2,546	...	...	...	...	...	...	...	3,680	...	...	...	690	690	9,565
Saháranpur ...	6,170	28,407	15,245	5,491	5,994	14,926	613	2,992	110	...	...	537	1,074	...	...	...	...	...	...	...	...	...	...	...	...	...	16,000
Jaunsár ...	3,516	448	4,781	...	1,409	2,090	...	...	...	...	...	...	...	399	17,331	41,464	...	...	7,523	...	...	...	...	...	...	...	9,613
Total ...	11,925	45,560	21,128	7,526	10,772	23,345	1,430	11,515	175	...	...	1,810	3,620	399	17,331	41,464	...	...	7,523	...	3,680	...	...	...	690	690	35,178
Leased Forests.																											
Jaunsár ...	259	32	324	...	...	391	...	...	...	...	...	...	...	...	1,000	20,000	...	...	1,500	...	...	...	...	...	...	...	1,894
Unclassed Forests.																											
Jaunsár ...	4	2	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Grand Total ...	12,188	45,594	21,512	7,526	10,772	23,742	1,430	11,515	175	...	...	1,810	3,620	399	18,331	61,464	...	...	9,023	...	3,680	...	...	...	690	690	37,075

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 56.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF PLANTATIONS, 1893-94.

Division.		Name of plantation.	Area in Acres. On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
		(I) Regular plantations.					Rs	Rs.	
Naini Tal	Ranikhet Sub-Division.	Ranikhet nursery	50	...	...	50	1,903	1,018	
		Kalimath	...	64	...	64	...	78	
		Baldhoti	...	244	...	244	...		
		Total, Regular plantations ...	50	308	...	358	1,903	1,096	
		(II) Cultural operations.							
		Block. Compartment.							
	Naini Tal Sub-Division.	Lariakanta	147	...	...	147	...		
		Jakh	39	...	...	39	...		
		Do. ... ... 3 ...	5	...	...	5	...		
		China ... ... 2 ...	43	...	...	43	...		
		Do. ... ... 2 ...	47	...	...	47	...		
		Do. ... ... 4 ...						95	786 Cypress put out.
		Do. ... ... 5 ...	96	...	...	96	...		
		Do. ... ... 6 ...							
		Do. ... ... 7 ...							
		Do. ... ... 7 ...	25	...	...	25	...		
		Do. ... ... 7 ...	33	...	...	33	...		
		Do. ... ... 12 ...	49	...	...	49	...		871 Deodar put out.
		Do.	...	9	...	9	...	29	2,064 Robinia put out.
		Jakh ... ... 5 ...	...	41	...	41			Oak (Q. incana) sowings put out in blanks
		Do. ... ... 5 ...	...	10	...	10			
		Do. ... ... 9 ...	...	25	...	25	...	90	
		Nalena ... ... 19 ...	...	5	...	5			Ditto ditto.
		Ninglat ... ... 8 ...		15	...	15			Under Chir.
		Total, Naini Tal Sub-Division ...	484	105	...	589	...	214	
		Block. Compartment.							
		Kaligadh ... ... 12 ...	1	...	...	1	...	...	
		Do.	31	...	...	31	...	47	Oak sowing under Chir in 1893.
		Do. ... ... 13 ...	30	...	..	30	...		
		Do. ... ... 13 ...	5	...	...	5	...	...	
		Do. ... ... 15 ...	1	1	...	1	...	...	
		Khaniari ... ... 1 ...	10	...	...	11	...	22	850 Kail, 878 Morinda put out.
		Do. ... ... 2 ...	15	...	...	15	...	..	
		Do. ... ... 3 ...	7	...	...	7	...	...	
		Do. ... ... 4 ...	16	...	...	16	...	...	
		Do. ... ... 9 ...	8	2	...	8	...	...	
		Do. ... ... 10 ...	13	...	...	15	...	16	1,120 Blue gum put out.
		Jagdeo ... ... 2 ...	1	...	...	1	...	...	
		Do. ... ... 13 ...	2	...	...	2	...	16	650 Deodar; 450 cypress put out.
		Do. ... ... 14 ...	1	...	...	1	...	...	

Ranikhet Sub-Division.	Do.	5	75	...	...	75	...	...		
	Do.	8	49	...	...	49	...	...		
	Do.	9	21	...	...	21	...	...		
	Do.	12	11	...	...	11	...	...		
	Dalmoti	1	4	...	...	4	...	...		
	Do.	2	33	...	...	33	...	...		
	Do.	3	3	...	...	3	...		49	2,900 Ash put out.
	Do.	5	2	...	...	2	...	...		
	Do.	10	6	...	...	6	...	...		
	Do.	11	2	...	...	2	...	...		
	Do.	12	2	...	...	2	...	...		
	Do.	15	77	...	...	77	...	...		
	Dwarson	11	13	...	...	13	...	...		
	Do.	12	3	...	...	3	...	...		
	Do.	15	3	...	...	3	...		29	1,150 Deodar put out; 12 seers of Kail seed sown.
	Seoni	21	...	1	...	1	...		4	
	Do.	13	...	2	...	2	...		8	Deodar and chestnut lines along edge of cart road.
	Bel'ekh Bungalow compound	..	...	1	...	1	...		2	
	Siahi Devi	8	...	10	...	10	...		94	2,700 Deodar } put out in blanks; a total failure; so sown up with oak acorns.
	Do.	8	...	250	...	250	...			2,770 Cypress }
	Kaligadh	1	...	59	...	59	...			
	Dalmoti	18	...	18	...	18	...			
	Siuni	16	...	7	...	7	...			
	Ganiadeoli	6	...	17	...	17	...			
	Chillianao	16	...	14	...	14	...		236	Undersowing Chir with Oak acorns.
	Karchuli	1	...	5	...	5	...			
	Padholi	12	...	56	...	56	...			
	Do.	13	...	10	...	10	...			
	Chaubattia east	...	...	20	...	20	...			
	Do. west	...	...	24	...	24	...			
	Total, Ranikhet Sub-Division	...	445	497	...	942	...		523	
	Total, cultural operations	...	929	602	...	1,531	...		737	
	Collection of chir seed	...	...	...	...	...	...		24	
	Total, Naini Tal Division	...	929	602	...	1,531	...		761	
Kumaun	Haldwani and Chorgalia ...	...	...	...	...	...		36	251	Up-keep of fruit gardens.
	Kalaga Khair Circle, coupe I ...	...	...	92	...	92	...		104	Sowings of Khair and Shisham.
	Total, Kumaun Division	...	...	92	...	92		36	355	
Garhwál	Chopra	...	40	...	...	40	...		...	
	Ramnagar, Mohan and Lati ...	...	...	...	...	...		25	228	Up-keep of fruit gardens.
	Total, Garhwál Division	...	40		...	40		25	228	
Ganges	Chila, Haldukhata and Saneh ...	...	...	...	...	...		25	75	Ditto.
Bundelkhand	Simroha	...	...	...	...	...	...		46	Experimental cultural operations of date palm.
	Total, of cultural operations	...	969	694	...	1,663		86	1,465	
	TOTAL, CENTRAL CIRCLE	...	1,019	1,002	...	2,021		1,989	2,561	
	Oudh Circle	...	2,715	12	3	2,724	...		22	
	School Circle	...	2,413	143	255	2,301	...		8,965	
	GRAND TOTAL, PROVINCE.	...	6,147	1,157	258	7,046		1,989	11,548	

Abstract of changes in area of plantations.—(Central Circle).

	Acres.
Total of plantations of all classes at commencement of year after revising areas,	1,019
Add—Additions made during the year	1,002
Total area on 30th June 1894 ...	2,021

NAINI TAL:

Dated the 25th September 1894.

H. C. HILL,

Conservator of Forests, Central Circle, N.-W. P. and Oudh.

[Form No. 56.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

AREA OF PLANTATIONS, 1893-94.

Division.	Name of plantation.	Area in Acres. On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.	Receipts of the year.	Charges of the year.	Remarks.
	Regular Plantations.							
Kheri Bhira ...	Marha ...	32	...	...	32	...	...	
	Total ...	32	...	...	32	...	...	
Gorakhpur ...	Ramgarh ...	303	...	...	303	...	...	There are large grass sales from these plantations, 1,070 tún seedlings were planted in Sakhui at a cost of Rs. 22.
	Sonari (Madhaulia) ...	100	...	...	100	...	...	
	Sakhui ...	2,206	...	...	2,206	...	22	
	East Lehra ...	40	...	...	40	...	...	
	Total ...	2,649	...	...	2,649	...	22	
	Cultural Operations.							
Kheri ...	Sarota, Sissu plantation ... / Dudua high ground plantation ...	1	...	...	1	...	...	
	Dudua low ground plantation ... / Khair and bamboos ...	30	...	...	30	...	...	*There is no plantation in the true sense of the word.
	Dudua forest garden ...	2	...	2*	...	...	...	
	Total ...	33	...	2	31	...	...	
Gonda ...	Nand Mahra Janakpur ...	1	...	1	...	...	...	Doitt ditto
	Total ...	1	...	1	...	...	...	
Gorakhpur ...	Ramgarh mango garden ...	...	12	...	12	...	...	
	Total ...	...	12	...	12	...	...	
	GRAND TOTAL ...	2,715	12	3	2,724	...	22	

NAINI TAL;
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle, N.-W. P. and Oudh.

Form No. 56.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. P. AND OUDH.

AREA OF PLANTATIONS, FOREST YEAR 1893-94.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
	Regular Plantations.							
Saháranpur ...	Pathri	80¼	...	¼*	80	...	...	Shisham, Teak, &c., *excluded to omit fractions.
	Total ...	80¼	...	¼	80	...	...	
	Cultural Operations.							
Dehra Dún ...	Phandowala... ...	5¾	...	¾*	5	...	...	Tun, paper mulberry.
	Ramgarh	23¼	5	¼*	28	...	1,394	Bamboos &c.
	Johra	86	15	64	37	...	1,615*	Ditto and nursery at Pardunl.
	Lachiwala	16	37†	...	53	...	1,856	*Bamboos. Chir.
	Ditto	¼	1¾	...	2			
	Bamboo baskets for Forest School.	...	...	...	...	...	346	†Recent survey shows that the area planted last year was really 20 acres, and that 33 acres was done in the current year, the return has therefore been corrected.
	Total ...	131¾	58¼	65¾	125	...	5,211	
Saháranpur ...	Ranipur	220	...	190	30	...	640	Nursery, Rs. 331; Planting, Rs. 309.
	Dholkhand	...	4	...	4	...	265	
	Mohand	...	...	...	...	...	52	Bamboo, Chir, &c.
	Budhaban Coppice ...	...	...	...	...	...	24	Nursery.
	Dhaula	...	...	...	...	...	3	
	Kasumri	...	...	...	...	...	36	
	Barkala	...	...	...	...	...	20	
	Total ...	220	4	190	34	...	1,040	
Jaunsár ...	Korwa	17	4	...	21	...	140	All these areas require verification.
	Mohna	200	...	..	200	...	150	
	Matkangra	74	...	...	74	...	50	
	Darna	...	3	...	3	...	35	
	Thona	4	...	...	4	...	5	
	Kanjatra	78	15	...	93	...	260	
	Koti Kanasar ...	139	...	...	139	...	10	
	Bodyar	445	12	...	457	...	350	
	Konain	122	...	...	122	...	3	
	Lurli	75	...	...	75	...	20	
	Suitoli	22	1	...	23	...	36	
	Mundali	50	11	...	61	...	420	
	Kathian	262	...	...	262	...	85	
	Panchkoti	13	3	...	16	...	130	
	Partil	58	5	...	63	...	140	
	Jaunsi	15	...	...	15	...	...	
	Temple	36	10	...	46	...	150	
	Pipal	50	2	...	52	...	60	
	Ghoria	13	...	...	13	...	...	
	Dopta	100	...	...	100	...	...	
	Chakora	34	5	...	39	...	110	
	Garasna	2	...	...	2	...	...	
	Ola	68	...	...	68	...	...	
	Thunwara	6	...	...	6	...	...	
	Lohasu	40	...	...	40	...	...	
	Murach	20	2	...	22	...	80	
	Raiengarh	32	4	...	36	...	250	
	Majog	6	4	...	10	...	230	
	Total ...	1,981	81	...	2,062	...	2,714	
	GRAND TOTAL OF CULTURAL OPERATIONS.	2,332¾	143¼	255¾	2,221	...	8,065	

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

FOREST DEPARTMENT, CENTRAL CIRCLE,

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL

	Division.	Timber in the rough ; Logs					Timber in the rough ; Poles				
		Government	Purchasers.	Free grantees	Right-holders.	Total	Government	Purchasers.	Free grantees.	Right-holders.	Total
Naini Tal.	*II—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ...	C. ft 1,340	C ft ...	C. ft .	C. ft. 1,340	C. ft	C ft 480	C. ft. .	C ft ..	C. ft ...	C ft 480
	(2) Selection fellings ..	5,960	86,624	17,880	100	110,564	800	458	...		1,258
	(3) Improvement fellings ..	240	1,920	...	3,600	5,760	1,200	40		5,722	6,962
	(4) Coppice fellings	..	...	.	...	...	...	..	...	.	...
	(5) Unregulated fellings	..	...	...	.	...	..	...	...	...	...
	Green ..		..	..		...	...	...	...	.	...
	Dry .	.	740	.	...	744		96			96
	Total ..	7,540	89,284	17,880	3,700	118,404	2,480	594		5,722	8,796
Kumaon	*II—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ...	...	.	..	...	...		...	..	..	
	(2) Selection fellings ...	317	34,660	7,410	3,885	46,272	992	1,702	...	1,668	4,362
	(3) Improvement fellings .	.	11,758	..		11,758	.	9,355	.	..	9,355
	(4) Coppice fellings ..	.	...	...	...	...	..	...	...	...	.
	(5) Unregulated fellings ...	..	.	.	..	...	..	.		...	...
	Green ...	..	4,948	...		4,948	.	627		...	627
	Dry ..	..	18,737	..	8 345	27,082	...	4,736		...	4,736
	Total ...	317	70 103	7,410	12,230	90,060	992	16,420		1,668	19,080
Garhwal	*II—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ...	..	...	..	...	...	...	...	...	...	...
	(2) Selection fellings ...	...	2,946	...	.	2,946	..	525		...	525
	(3) Improvement fellings	3,642	2,124	...		5,766	234	664	...	...	898
	(4) Coppice fellings ...	...	...	...	...	...	...	...	.	...	
	(5) Unregulated fellings	...	..	...	..	...	...	...	...	..	...
	Green		...	...	...	...	..	.	...	...	...
	Dry ..	...	1,167	...		1,167		49,719		...	49,719
	Total .	3,642	6 237	..		9,879	234	50,908	.		51,142
Ganges	*II—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ..	...	.	.	...	...	...	...	...	...	...
	(2) Selection fellings ...	.	4,091	..	...	4,091		..	.	62	64
	(3) Improvement fellings	..	91	...	...	91	1,191	773	1,591	...	3,554
	(4) Coppice fellings	...	..	...	..	.	..	..	...	..	..
	(5) Unregulated fellings ..	..		...	.		.	.	.		.
	Green ...	...	...	...	...		..		...	..	...
	Dry .				..		.	21	...		21
	Total .	.	4,182	...		4,182	1,591	794	1,591	62	3,637
Bundelkhand.	*II—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ...	...		..	..	.	...		...	...	...
	(2) Selection fellings	..	66	.	..	...			...	...	.
	(3) Improvement fellings	...	...	...	45	111	6,398	11,852	591	901	19,742
	(4) Coppice fellings ...	...	.	..	...	.	..	..	...	...	..
	(5) Unregulated fellings ..	..	.	...	...	..	..	..	...	.	...
	Green ...		..	...	..	...	..	...	..	...	...
	Dry ...	...	..	.	.	...		...	..		...
	Total		66		45	111	6,398	11,852	591	901	19 742
	Total Reserved forests ...	11 499	1 69 872	25,290	15,975	4,22,636	11,294	80,568	2,182	8,353	1,02 397
Naini Tal	*II.—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ...	.	3,420	...	5,240	8,660	2,800	...	...	10,122	12,922
	(2) Selection fellings ...	..		.		.		...	...		..
	(3) Improvement fellings ..	2,400	4,640	236	48,784	56,060	7,092	1,270	.	69,160	77,522
	(4) Coppice fellings ...		...	...	..	...	...	..	...	...	...
	(5) Unregulated fellings										
	Green ..	...	...	...	..	..	..	.	..	..	...
	Dry .	.	...	...	...	.	...	.	.	..	
	Total ..	2,400	8,060	236	54,024	64,720	9,892	1,270	..	79,282	90,444
Bundelkhand.	*II—(d) Exploitation of Major forest produce*										
	(1) Clear or regeneration fellings ...	..	...	...	...		...	...	...	...	...
	(2) Selection fellings	...	...	...	...	..	...	...	..	.	.
	(3) Improvement fellings	.	23	...	...	23	..	1,878	...	..	1,878
	(4) Coppice fellings ..	...	...	..	..	...	..	...	..	...	.
	(5) Unregulated fellings			..	.		..	...		..	..
	Total ...	.	23	..		23	.	1,878	..	..	1,878
	Total Protected forests	2,400	8,083	236	54,024	64,743	9,892	3,148		79,282	92,322

[Form No. 57.

NORTH-WESTERN PROVINCES AND OUDH.

DURING THE YEAR 1893-94 AND AGENCY OF EXPLOITATION.

Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
I.—Reserved Forests.															
C. ft.	C. ft.	C. ft.	C. ft.	C. ft	C. ft.	C. ft.	C ft	C. ft	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
...	...	...	...	...	...	...	...	...	...	11,690	...		..	11,690	13,510
...	...	...	...	...	...	...	...	...	...	7,730	...	...	...	7,980	119,752
...	...	...	...	...	...	...	...	...	...	...	188,920	...	...	188,920	201,042
...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	6,196	...	...	...	6,196	6,196
...	...	...	...	...		...	...	...	...	6,266	11,368	...	156,000	173,634	174,470
...	...	...	...	...		...	...	...	...	32,082	200,288	...	156,000	388,370	515,570
...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
1,355	65,496	...	4,537	71,388	...	...	...	...	...	138	.	...	...	138	122,160
...	3,743	...	...	3,743	...		...	...	...	.	47,895	...	...	47,895	73,744
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	116	...	...	116	...	...	...	...	...	...	3,020	...	.	3,020	8,711
...	29,032	...	...	29,032	...	...		..	...	.	173,937	...	769,096	943,033	10,03,889
1,355	98,387	..	4,537	104,279	...	...	...		...	138	224,852	...	769,096	994,086	12,07,505
...	..	...	...			...	...	...		...	...	...	...	...	
3,020	115,827	...	...	119,747	956	6,535	...	9,953	17,444		...	...	...	...	140,652
...	28,134	...	...	28,134	...	...	...	..	...	...	35,828	...	...	35,828	70,626
...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	..	...	...		...	...	...		...	...	...	...
...	2,996	...	...	2,996	...	9,870	...	152	10,022	...	94,067	...	378,855	472,922	536,826
3,920	146,957	...	..	150,877	956	16,405	...	10,105	27,466	...	129,895	...	378,855	508,750	748,114
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
64	49,446	...	...	49,510	...	3,085	...	...	3,085	...	...	...	...	...	56,748
...	...	...	290	290	...	...	...	...	...	12,393	700	..	...	13,093	17,028
...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...
...	...	...	..	...	...	...	...	...	...	...	...	.	...	...	...
...	2,976	...	...	2,976	...	...	...	..	...	...	...	...	...	..	2,976
1,553	18,468	...		20,021	...	...	...	...	...	10,739	1,81,916	...	1,28,055	3,20,710	3,40,752
1,617	70,890	...	290	72,792	...	3,085	...	...	3,085	23,132	1,82,616	...	1,28,055	3,33,803	4,17,504
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	..	...		...	...	..	...	...	...	...
...	...	...	...	...	22,868	68,791	1,050	5,503	98,212	23,055	47,483	7,960	...	78,498	1,96,563
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	..	22,868	68,791	1,050	5,503	98,212	23,055	47,483	7,960	...	78,498	1,96,563
6,892	3,16,234	...	4,827	3,27,953	23,824	88,281	1,050	15,608	1,28,763	78,407	7,85,134	7,960	14,32,006	23,03,507	30,85,250
II.—Protected Forests.															
...	...	...	...	...	...	...	...	...	...	12,910	...	...	...	12,910	34,432
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	98,150	1,94,564	...	...	2,92,714	4,26,296
...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	68,506	...	...	...	68,506	68,506
...	...	...	...	...	..	...	...	...	...	10,394	380	...	11,00,000	11,10,774	11,10,774
...	...	...	...	...	...				...	1,89,960	1,94,944	...	11,00,000	14,84,904	16,40,008
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	2,645	...	...	2,645	...	3,500	...	...	3,500	8,046
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	..	...	...	..	...	...	...	...	...
...	...	...	...	...	..	2,645	..	...	2,645	...	3,500	...	...	3,500	8,046
...	...	...	...	...	...	2,645	...	...	2,645	1,89,960	1,98,444	...	11,00,000	14,88,404	16,48,114

FOREST DEPARTMENT, CENTRAL CIRCLE,

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL

Division.	Timber in the rough; Logs.					Timber in the rough; Poles.				
	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft
Kumaun.										
II—(d) Exploitation of Major forest produce.										
(1) Clear or regeneration fellings ...	...	...	...	...	...	...	...	...	...	...
(2) Selection fellings ...	...	...	...	...	...	...	...	...	...	...
(3) Improvement fellings ...	...	...	...	...	...	...	...	...	...	...
(4) Coppice fellings ...	...	...	...	...	...	...	...	...	...	...
(5) Unregulated fellings,										
Green ...	...	701	...	...	701	...	706	...	...	706
Dry ...	...	7,174	...	...	7,174	...	2,290	...	...	2,290
Total ...	...	7,875	...	...	7,875	...	2,996	...	...	2,996
Ganges.										
II—(d) Exploitation of Major forest produce.										
(1) Clear or regeneration fellings ...	...	...	...	...	...	...	...	...	...	...
(2) Selection fellings ...	...	...	...	...	...	...	...	...	...	...
(3) Improvement fellings ...	...	...	...	...	...	...	...	...	...	...
(4) Coppice fellings ...	...	...	...	...	...	...	...	...	...	...
(5) Unregulated fellings ...	...	...	...	...	...	...	...	...	...	...
Dry. ...	..	...	...		...	...	330	...	...	330
Total ...	...	...	..	...	...	...	330	...	...	330
Bundelkhand.										
II—(d) Exploitation of Major forest produce.										
(1) Clear or regeneration fellings ...	...	...	...	...	...	...	...	...	...	...
(2) Selection fellings ...	...	...	...	...	...	...	...	...	...	...
(3) Improvement fellings ...	...	...	...	...	...	1	571	...	...	572
(4) Coppice fellings ...	...	...	...	...	...	...	...	...	...	...
(5) Unregulated fellings. ...	...	...	...	...	...	.	...	...	...	...
Total ...	...		...	...	...	1	571	...	...	572
Total Unclassed forests ...	...	7,875	...	...	7,875	1	3,897	...	...	3,898
I.—Reserved.										
(1) Clear or regeneration fellings ...	1,340	...	...	...	1,340	480	...	..	...	480
(2) Selection fellings ...	6,277	128,321	25,290	3,985	163,873	1,792	2,685	..	1,730	6,207
(3) Improvement fellings ...	3,882	15,959	...	3,645	23,486	9,022	22,684	2,182	6,623	40,511
(4) Coppice fellings ..	...	...	...	...	...	...	...	...	...	...
(5) Unregulated fellings ...	...	...	...	...	...	...	...	...	...	...
Green ...	...	4,948	...	...	4,948	...	627	...	...	627
Dry ...	...	20,644	...	8,345	28,989	...	54,572	...	...	54,572
I.—Reserved Forests ...	11,499	169,872	25,290	15,975	222,636	11,294	80,568	2,182	8,353	102,397
(1) Clear or regeneration fellings ...	...	3,420	...	5,240	8,660	2,800	...	...	10,122	12,922
(2) Selection fellings ...	...	...	...	...	...	...	...	...	...	...
(3) Improvement fellings ...	2,400	4,663	236	48,784	56,083	7,092	3,148	...	69,160	79,400
(4) Coppice fellings ...	...	...	...	...	...	...	...	...	...	...
(5) Unregulated fellings ...	...	...	...	...	...	...	...	...	...	...
Green ...	...	...	...	...	...	...	...	...	...	...
Dry ...	...	...	...	...	...	...	...	...	...	...
II.—Protected Forests ...	2,400	8,083	236	54,024	64,743	9,892	3,148	...	79,282	92,322
(1) Clear or regeneration fellings. ...	...	...	...	...	...	...	...	...	...	...
(2) Selection fellings ...	...	...	...	...	...	...	...	...	...	...
(3) Improvement fellings ...	...	...	...	...	...	1	571	...	...	572
(4) Coppice fellings ...	...	...	...	...	...	...	...	...	...	...
(5) Unregulated fellings ...	...	...	...	...	...	...	...	...	...	...
Green ...	...	701	...	...	701	...	706	...	...	706
Dry ...	...	7,174	...	...	7,174	...	2,620	...	...	2,620
III.—Unclassed Forests ...	...	7,875	.	...	7,875	1	3,897	...	...	3,898
Total Central Circle ...	13,899	185,830	25,526	69,999	295,254	21,187	87,613	2,182	87,639	198,617
Oudh Circle ...	7,798	264,996	11,112	...	273,906	140,871	142,120	675,227	258,273	1,216,491
School Circle ...	7,706	291,857	40	86,092	385,695	12,300	68,862	..	727	81,889
GRAND TOTAL, PROVINCE ...	29,403	732,683	36,678	156,091	954,855	174,358	298,595	677,409	346,635	1,496,997

DATED NAINI TAL:
The 25th September 1894.

NORTH-WESTERN PROVINCES AND OUDH.

DURING THE YEAR 1893-94 AND AGENCY OF EXPLOITATION—(*concluded*).

Sawn or square timber.					Miscellaneous.					Fuel.					Total.
Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
				III.—Unclassed Forests.											
C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
..	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	35	...	...	35	...	...	...	...	...	...	...	...	...	...	1,442
...	2,524	...	.	2,524	...	...	...	...		...	194,524	..	...	194,524	206,512
...	2,559	...	...	2,559	...	...	...	...	...	...	194,524	..	...	194,524	207,954
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...		...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
...	6,064	...	...	6,064	...	...	...	...	...	...	62,929	...	...	62,929	69,323
...	6,064		...	6,064	...		.	...	...	...	62,929	...	...	62,929	69,323
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	9	...	...	9	...	6,865	...	...	6,865	7,446
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	..	...	...	...	...		...	...	...	...	...	...
...	..	...	..	...		9	.	...	9	...	6,865	...	.	6,865	7,446
...	8,623	...	..	8,623	...	9	...	...	9	...	264,318	...	...	264,318	284,723

ABSTRACT.

Forests.

...	...	...	...	...	...	...	...	..	...	11,690	...	...	...	11,690	13,510
5,339	230,769	...	4,537	240,645	956	9,620	...	9,953	20,529	8,068	.	...	..	8,068	439,322
...	31,877	...	290	32,167	22,868	68,791	1,050	5,503	98,212	35,448	320,826	7,960	...	364,234	558,610
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	3,092	...	...	3,092	...	...	...	...	...	6,116	3,020	...	...	9,216	17,883
1,553	50,496	...	...	52 040	...	9,870	...	152	10,022	17,005	461,288	...	1,432,006	1,910,299	2,055,931
6,892	316,234	...	4,827	327,953	23,824	88,281	1,050	15,608	128,763	78,407	785,134	7,960	1,432,006	2,303,507	3,085,256

II.—Protected Forests.

								...							
...	...	...	...	...	...	...	...		...	12,910	...	...	...	12,910	34,492
...	...	...	...	...	...	...	...	...	...	...		...	...	...	...
...	...	...	...	...	...	2,645	...	...	2,645	98,150	198,064	...	...	296,214	434,342
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	.	...	...	...	..	.
...	...	...	...	...	...	...	...	...	...	68,506	...	...	...	68,506	68,506
...	...	...	...	...	...	...	...	...	...	10,394	380	...	1,100,000	1,110,774	1,110,774
...	...	...	...	...	...	2,645	...	...	2,645	189,960	198,444	...	1,100,000	1,488,404	1,648,114

III.—Unclassed Forests.

...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	9	...	...	9	...	6,865	...	...	6,865	7,446
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
...	35	...	...	35	...	...	...	...	...	...	...	...	...	...	1,442
...	8,588	...	...	8,588	...	...	...	...	...	...	257,453	...	...	257,453	275,835
...	8,623	...	...	8,623	...	9		...	9	...	264,318	...	...	264,318	284,723
6,892	324,857	...	4,827	336,576	23,824	90,935	1,050	15,608	131,417	268,367	1,247,896	7,960	2,532,006	4,056,229	5,018,093
888	192,819	19,053	...	212,760	708	83,902	61,900	8,670	155,180	1,797,562	495,181	171,012	51,626	2,515,381	4,373,718
307,725	64,946	...	4,468	377,139	3,115	63,980	...	1,472	68,857	263,293	273,986	4,000	1,403,671	1,944,950	2,858,540
315,505	582,622	19,053	9,295	926,475	27,947	238,817	62,950	25,750	355,464	2,329,222	2,017,063	182,972	3,987,303	8,516,560	12,250,351

H. C. HILL,

Conservator of Forests, Central Circle, N.-W. P. and Oudh.

FOREST DEPARTMENT.

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL DUR

Division.	Timber in the rough—Logs.					Timber in the rough—Poles.				
	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Pilibhit.										
Improvement fellings ...	...	...	...	...	...	...	...	...	...	...
Unregulated fellings ...	...	...	...	...	...	437	2,744	...	258,273	261,454
Total ...	..	...	...	...	...	437	2,744	...	258,273	261,454
Kheri.										
Selection fellings ...	1,018	...	...	..	1,018	...	...	...	...	...
Improvement... Green	9	55,121	...	...	55,130	...	1 034	...	...	1,034
Improvement... Dry	...	14,512	...	...	14,512	...	...	...	...	...
Unregulated... Green ..	4,429	6,681	7,341	...	18,451	1,169	9,839	181,018	...	192,026
Unregulated... Dry ..	...	10,356	...	...	10,356	...	2	...	...	2
Total ...	5,456	86,670	7,341	...	99,467	1,169	10,875	181,018	...	193,062
Bahraich.										
Improvement fellings. green.	...	87,145	...	...	87,145	12,221	51,808	...	2	64,029
Unregulated fellings Green ..	199	39,755	2,595	...	42,549	266	34,101	443,876	...	478,243
Unregulated fellings Dry	...	23,735	949	...	24,684	...	17,852	20,967	...	38,819
Total ...	199	150,635	3,544	...	154,378	12,487	103,761	464,843	...	581,091
Gonda.										
Selection fellings ...	2,143	14,652	...	...	16,795	...	...	...	...	...
Coppice fellings ...	...	...	...	...	...	450	...	...	...	450
Unregulated ... Green...	...	141	227	...	368	1,456	2,535	29,197	...	33,188
Unregulated ... Dry...	...	2,898	...	...	2,898	180	6,750	169	...	7,099
Total ...	2,143	17,691	227	...	20,061	2,086	9,285	29,366	...	40,737
Gorakhpur.										
Coppice fellings ...	...	...	...	...	...	23,604	8,529	...	...	32,133
Unregulated fellings ...	...	...	...	...	...	101,088	6,926	...	...	108,140
Total ...	...	...	...	...	...	124,692	15,455	...	...	140,147
Abstract ...	...	...	...	...	...	...	..	...	...	...
Selection fellings ...	...	...	...	...	...	...	...	...	...	...
Improvement ...	...	...	...	...	...	...	...	...	...	...
Coppice ...	...	...	...	...	...	...	...	...	...	...
Unregulated ...	...	...	...	...	...	...	..	...	...	...
Grand Total ...	7,798	254,996	11,112	...	273,906	140,871	142,120	675,227	258,273	1,216,491

Naini Tal:
The 20th September 1894.

Form No. 57.

UOHD CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ING THE YEAR 1893-94, AND AGENCY OF EXPLOITATION.

Sawn or squared timber.					Miscellaneous.					Fuel.					Total Outturn.
Government.	Purchasers.	Free grantees.	Right-holders	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	
C. ft.	C. ft.	C. ft.		C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
I—Reserved Forests.															
...	...	...	...	...	...	...	...	...	...	5,625		...	..	5,625	5,625
...	2	...		2	...	69	..	8,670	8,739	48,112	24,150	...	51,626	123,888	354,083
...	2	...	...	2	...	69	...	8,670	8,739	53,737	24,150	...	51,626	129,513	399,708
...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	1,019
742	188,591	...	...	189,333	...	11,200	...	...	11,200	380,270	...	...	...	380,270	636,967
...	85	...	...	85	..	...	...	...	...	...	...	...	...	...	14,597
...	2,146	...	...	2,146	...	248	...	...	248	131,710	10,415	...	...	147,125	354,996
...	1,995	19,053	...	21,048	...	49	...	...	49	...	29,013	145,333	...	174,346	205,861
742	192,817	19,053	...	212,612	.	11,497	...	.	11,497	511,980	39,428	145,333	...	696,741	1,213,379
29	...	...	.	29	...	1,449	...	...	1,449	119,099	...	...	...	119,099	271,751
...	...	...	...	...	...	415	47,012	...	47,427	...	...	...	...	...	568,219
...	...	...	...	...	...	4,922	39	...	4,961	...	54,232	15,960	...	70,192	138,656
29	..	...	...	29		6,786	47,051	...	53,837	119,099	54,232	15,960	...	189,291	978,626
115	...	...	...	115	...	39,428	...	...	39,428	...	...	...	...	...	56,338
...	...	...	...	...	...	...	...	...	...	176,018	...	...	...	176,018	176,468
...	...	...	...	...	708	18,323	14,774	...	33,805	9,356	...	...	...	9,356	76,717
2	...	...		2	...	7,719	75	...	7,794	73,022	138,061	9,719	...	220,802	238,595
117	...	...	...	117	708	65,470	14,849	...	81,027	258,396	138,061	9,719	...	406,176	548,118
...	...	...	...	...	...	...	...	...	...	826,350	60,600	...	...	886,950	910,083
...	...	...	...	...	...	80	...	...	80	28,000	178,710	...	...	206,710	314,804
...	...	...	...	...	...	80	...	...	80	854,350	239,310	...	...	1,093,660	1,233,887
															57,356 928,940 1095 551 2,291,871
888	192,819	19,053	..	212,760	708	83,902	61,900	8,670	155,180	1,797,562	495,181	171,012	51,626	2,515,381	4,373,718

S. EARDLEY-WILMOT,

Conservator of Forests, Oudh Circle, N.-W. P. and Oudh.

FOREST DEPARTMENT, SCHOOL

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL

Division.	Timber in the rough: Logs.					Timber in the rough: Poles.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Dehra Dún.										I.—Reserved
Selection fellings	12	...	...	...	12	300	...	...	...	300
Coppice do.	81	...	...	...	81	53	...	...	...	53
Improvement fellings	100	32,938	...	...	33,038	570	32,938	...	...	33,508
Thinnings	...	...	...	...	...	...	...	...	..	...
Unregulated do.	...	10	...	252	262	...	...	...	386	386
Clearances	100	...	...	...	100	121	...	...	...	121
Drift wood	3,557	30,696	...	...	34,253	...	30,704	...	...	30,704
Dead and fallen wood	...	194	40	...	214	27	3,719	...	...	3,746
Total ...	3,850	63,838	40	252	67,980	1,071	67,361	...	386	68,818
Saháranpur.										
Selection fellings	266	1,849	...	...	2,115	...	...	...	...	...
Coppice do.	...	...	...	...	...	...	...	...	...	...
Improvement fellings	...	...	...	...	...	10,000	...	...	...	10,000
Thinnings	...	...	...	...	...	...	654	...	...	654
Unregulated do.	...	...	...	...	...	849	653	...	...	1,502
Drift wood	2,809	...	...	...	2,809	107	...	...	...	107
Dead and fallen wood	..	...	..	...	...	...	...	...	...	...
Total ...	3,075	1,849	...	...	4,924	10,956	1,307	..	...	12,263
Jaunsár.										
Selection fellings	...	226,170	...	85,840	312,010	...	...	...	341	341
Clean do.	...	...	...	...	...	...	...	...	...	...
Coppice do.	...	...	...	...	...	273	...	...	...	273
Thinnings	...	...	...	...	...	...	194	...	...	194
Drift wood	781	...	...	...	781	...	.	...	...	...
Total ...	781	226,170	...	85,840	312,791	273	194	...	341	808
Grand Total ...	7,706	291,857	40	86,092	385,695	12,300	68,862	...	727	81,889
										II.—Protected
										Nil.
										III—Unclassed
										Nil.
										Abs
Selection fellings	278	228,019	...	85,840	314,137	300	...	...	341	641
Clean do.	...	...	...	...	...	...	...	...	...	...
Coppice do.	81	...	...	...	81	326	...	...	...	326
Improvement fellings	100	32,938	...	...	33,038	10,570	32,938	...	...	43,508
Thinnings	...	...	...	...	...	...	848	...	...	848
Unregulated do.	...	10	...	252	262	849	653	...	386	1,888
Clearances	100	...	..	...	100	121	..	...	...	121
Drift wood	7,147	30,696	...	...	37,843	107	30,704	...	...	30,811
Dead and fallen wood	...	194	40	...	234	27	3,719	...	...	3,746
Total ...	7,706	291,857	40	86,092	385,695	12,300	68,862	...	727	81,889

Charcoal should be shown by its equivalent in fuel; the quantity of wood

DEHRA DÚN:
The 17th September 1894.

[Form No 57.

CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

DURING THE YEAR 1893-94 AND AGENCY OF EXPLOITATION.

Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees	Right-holders.	Total.	Government.	Purchasers	Free-Grantees	Right-holders.	Total.	Outturn.
C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Forests.															
...	...	...	...	..	.	...	...	...	...	...	...	...	..	..	312
41	...	..	...	41	439	...	...	...	439	33,851	..	...	...	33,851	34,465
45	...	...	...	45	1,806	32,939	...	...	34,745	22,516	...	...	...	22,516	123,852
...	...	...	...	...	...	...	...	...	...	...	5,408	...	...	5,408	5,408
...	...	...	...	...	824	264	...	1,472	2,560	...	...	...	...	...	3,208
...	...	...	...	...	293	...	...	...	293	13,160	...	...	...	13,160	13,674
263	...	...	...	263	30	30,708	...	...	30,738	7,520	45	...	...	7,565	103,523
...	...	...	...	...	...	5	...	...	5	1,440	121,740	4,000	329,760	456,940	460,034
349	...	...	...	349	3,392	63,916	...	1,472	68,780	78,487	127,202	4,000	329,760	539,449	745,376
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,115
...	...	...	...	...	...	...	...	...	...	...	24,500	...	...	24,500	24,500
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,000
...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	654
...	...	...	...	...	...	64	...	...	64	...	...	...	...	...	1,566
851	...	...	...	851	23	...	...	...	23	7,655	3,000	...	...	10,655	14,445
...	...	...	...	...	...	...	...	...	...	...	94,284	...	100,578	194,862	194,862
851	...	...	...	851	23	64	...	...	87	7,655	121,784	...	100,578	230,017	248,142
306,525	...	...	...	306,525	...	...	...	...	...	100,809	25,000	...	...	125,809	744,685
...	64,946	...	4,468	69,414	...	...	...	...	...	...	...	...	973,333	973,333	1,042,747
...	...	...	...	...	...	...	...	...	...	50,609	...	...	...	50,609	50,882
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	194
...	...	...	...	...	...	...	...	...	...	25,733	...	...	...	25,733	26,514
306,525	64,946	...	4,468	375,939	...	...	...	..	...	177,151	25,000	...	973,333	1,175,484	1,865,022
307,725	64,946	...	4,468	377,139	3,415	63,980	...	1,472	68,867	263,293	273,986	4,000	1,403,671	1,944,950	2,858,540
Forests.															
Forests.															
tract.															
306,525	...	...	...	306,525	...	...	...	...	...	100,809	25,000	...	...	125,809	747,112
...	64,946	...	4,468	69,414	...	...	...	...	...	...	...	...	973,333	973,333	1,042,747
41	...	...	...	41	439	...	...	...	439	84,460	24,500	...	...	108,960	109,847
45	...	...	...	45	1,806	32,939	...	...	34,745	22,516	...	...	...	22,516	133,852
...	...	...	...	..	...	...	...	...	...	...	5,408	...	...	5,408	6,256
...	...	...	...	...	824	328	...	1,472	2,624	...	...	...	...	...	4,774
...	...	...	..	...	293	...	...	...	293	13,160	..	...	...	13,160	13,671
1,114	...	...	...	1,114	53	30,708	...	...	30,761	40,908	3,045	...	...	43,953	144,482
...	...	...	...	...	...	5	...	...	5	1,440	210,033	4,000	430,338	651,811	655,796
307,725	64,946	...	4,468	377,139	3,415	63,980	...	1,472	68,867	263,293	273,986	4,000	1,403,671	1,944,950	2858,540

consumed in producing it being entered in cubic feet, solid.

J. S. GAMBLE,

Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 58.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94.

Division.	Description of Produce.		Produce removed or utilized										Remarks.
			By Government agency.		By Purchasers.		By free grants.		By right-holders.		Total.		
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
				Rs.		Rs.		Rs.		Rs.		Rs.	
					I.— Reserved Forests.								
Naini Tal ...	Bamboos	Nos.	...	...	1,802	23	...	...	2,002	26	3,804	49	
	Grazing and fodder grass ...	...	...	...	...	1,468	...	...	...	1,423	...	2,891	
	Other minor produce ...	...	...	...	...	3,265	...	...	...	2	...	3,267	
	Total, Naini Tal	...	...	...	1,802	4,756	...	...	2,002	1,451	3,804	6,207	
Kumaun ...	Bamboos	Nos.	1,640	13	991,720	4,616	...	...	31,995	122	1,025,355	4,751	
	Grazing and fodder grass ...	...	...	...	...	7,415	...	...	...	19,657	...	27,072	
	Other minor produce ...	...	...	23	...	26,972	...	...	...	121	...	27,116	
	Total, Kumaun	...	1,640	36	991,720	39,003	...	...	31,995	19,900	1,025,355	58,939	
Garhwál ...	Bamboos	Nos.	2,000	13	2,012,322	18,745	...	...	48,920	437	2,063,242	19,195	
	Grazing and fodder grass ...	...	...	...	...	4,734	...	...	...	6,050	...	10,784	
	Other minor produce ...	...	...	...	...	9,133	...	...	...	not	known	9,133	
	Total, Garhwál	...	2,000	13	2,012,322	32,612	...	...	48,920	6,487	2,063,242	39,112	
Ganges ...	Bamboos	Nos.	1,800	11	8,496,302	100,877	2,000	18	1,140	9	8,501,242	1,00,915	
	Grazing and fodder grass ...	...	...	...	...	6,087	...	...	...	2,897	...	8,984	
	Other minor produce ...	...	...	...	...	4,596	...	...	...	...	...	4,596	
	Total, Ganges	...	1,800	11	8,496,302	1,11,560	2,000	18	1,140	2,906	8,501,242	114,495	

Bundelkhand ...	Bamboos	No.	403,547	4,921	142,665	1,105	250	2	624	5	547,086	6,033
	Grazing and fodder grass ...	...	...	...	...	9,104	not known.		...	147	...	9,251
	Other minor produce ...	...	...	366	...	3,731	...	...	...	3	...	4,100
	Total Bundelkhand	...	403,547	5,287	142,665	13,940	250	2	624	155	547,086	19,384
	Total Reserved Forests	...	408,987	5,347	11,644,811	2,01,871	2,250	20	84,681	30,899	12,140,729	2,38,137
						II.—Protected Forests.						
Naini Tal ...	Ringals	Nos.	...	...	29,760	46	...	...	1,21,059	245	150,819	291
	Grazing and fodder grass ...	...	...	...	...	1,377	...	...	...	11,440	...	12,817
	Other minor produce ...	...	...	...	...	865	...	...	...	79	...	944
	Total Naini Tal	...	...	...	29,760	2,288	...	...	1,21,059	11,764	150,819	14,052
Bundelkhand ...	Bamboos	Nos.	...	...	18,735	123	...	...	...	...	18,735	123
	Grazing and fodder grass ...	...	...	...	...	1	...	...	...	492	...	493
	Other minor produce ...	...	...	...	...	...	...	...	...	...	...	...
	Total Bundelkhand	...	...	...	18,735	124	...	...	...	492	18,735	616
	Total Protected Forests	...	...	...	48,495	2,412	...	...	1,21,059	12,256	169,554	14,668
						III.—Unclassed Forests.						
Ganges ...	Bamboos	Nos.	..	...	912,019	5,811	...		...	...	912,019	5,811
	Grazing and fodder grass ...	...	...	...	...	730	not known.		...	...	...	730
	Other minor produce ...	...	...	...	...	1,643	ditto		...	...	...	1,643
	Total Ganges	...	...	...	912,019	8,184	...	...	...	...	912,019	8,184
Bundelkhand ...	Bamboos	Nos.	...	...	19,986	178	...	...	...	...	19,986	178
	Grazing and fodder grass ...	...	...	...	...	4	not known.		...	343	...	347
	Other minor produce ...	...	...	1	...	163	ditto		...	...	...	164
	Total Bundelkhand	...	...	1	19,986	345	...	...	...	343	19,986	689
	Total Unclassed Forests	...	...	1	932,005	8,529	...	...	...	343	932,005	8,873

[Form No. 58.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94.

ABSTRACT (CLASS OF FOREST).

Division.	Description of Produce.		Produce removed or utilized										Remarks.
			By Government Agency.		By Purchasers.		By Free grants.		By Right-holders.		Total.		
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
				Rs.		Rs.		Rs.		Rs.		Rs.	
					I—Reserved Forests.								
	Bamboos	Nos.	408,987	4,958	11,644,811	1,25,366	2,250	20	84,681	599	1,21,40,729	1,30,943	
	Grazing and fodder grass ...	...	...	...	...	28,808	...	...	...	30,174	...	58,982	
	Other minor produce ...	...	...	389	...	47,697	..	...	...	126	...	48,212	
	Total, Reserved Forests ...		...	5,347	...	2,01,871	...	20	...	30,899	...	2,38,137	
					II—Protected Forests.								
	Bamboos and ringals	Nos.	...	...	48,495	169	...	...	121,059	245	169,554	414	
	Grazing and fodder grass ...	...	...	...	...	1,378	...	...	...	11,932	...	13,310	
	Other minor produce	...	...	...	...	865	...	...	...	79	...	944	
	Total Protected Forests ...		...	...	...	2,412	...	...	...	12,256	...	14,668	
					III—Unclassed Forests.								
	Bamboos	Nos.	...	...	9,32,005	5,989	...	...	...	...	932,005	5,989	
	Grazing and fodder grass ...	...	...	...	...	734	...	...	...	343	...	1,077	
	Other minor produce ...	...	...	1	.	1,806	...	...	...	...	...	1,807	
	Total Unclassed Forests ...		...	1	...	8,529	...	...	...	343	...	8,873	
					Abstract (class of produce).								
	Bamboos and ringals	Nos.	408,987	4,958	12,625,311	1,31,524	2,250	20	205,740	844	13,242,288	1,37,346	
	Grazing and fodder grass ...	...	...	...	...	30,920	...	...	...	42,449	...	73,369	
	Other minor produce	...	...	390	...	50,368	...	...	...	205	.	50,963	
	Total, Central Circle ...		...	5,348	...	2,12,812	...	20	...	43,498	...	2,61,678	

Oudh Circle ...	Bamboos ... Nos.	33,117	2,016	212	19	...	...	...	...	33,329	2,033
	Grazing and fodder gross ...	...	...	...	50,824	...	25,225	...	5,090	...	81,139
	Other minor produce ...	...	5,833	...	44,658	...	11,770	...	743	...	63,004
	Total ...	...	7,849	...	95,501	...	36,995	...	5,833	...	1,46,178
School Circle ...	Bamboos ... Nos.	178,316	2,620	1,322,984	9,430	...	...	290	30	1,501,590	12,080
	Grazing and fodder grass ...	...	29	...	26,549	...	...	...	6,814	...	33,392
	Other minor produce ...	...	5,696	...	20,068	...	...	...	2,000	...	27,764
	Total ...	...	8,345	...	56,047	...	...	...	8,844	...	73,236
GRAND TOTAL, PROVINCES.	Bamboos ... Nos.	620,420	9,594	13,948,307	1,40,973	2,250	20	2,06,030	874	14,777,207	1,51,461
	Grazing and fodder gross ...	...	29	...	1,08,293	...	25,225	...	54,353	...	1,87,900
	Other minor produce ...	...	11,919	...	1,15,094	...	11,770	...	2,948	...	1,41,731
	Total ...	...	21,542	...	3,64,360	...	37,015	...	58,175	...	4,81,092

DATED NAINI TAL:
The 25th September 1894.

H. C HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94.

Form No. 58.

Division.	Description of produce.		Produce removed or utilized— By Government agency. Quantity.	By Government agency. Value.	By purchasers. Quantity.	By purchasers. Value.	By free grants. Quantity.	By free grants. Value.	By right-holders. Quantity.	By right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
				Rs.		Rs.		Rs.		Rs.		Rs.	
Pilibhít ...	Grazing dues	No.	...	...	5,593	722	2,540	598	21,579	5,090	29,712	6,410	* Includes Rs. 1,585 for baib.
	Grass	Mds.	26	21	17,120	* 2,373	...	...	13,395	740	30,541	3,134	
	Minor produce	"	...	...	1,423	418	...	...	65	3	1,488	421	
	Total ...	No.	...	21	5,593	3,513	2,540	598	21,579	5,833	29,712	9,965	
		Mds.	26		18,543		...		13,460		32,029		
	Add—Outstandings realized		...	...	...	22	...	...	...	...	...	22	
	Total Rs.		...	21	...	3,535	...	598	...	5,833	...	9,987	
	Deduct—Value of stock remaining unsold,		...	1	...	...	...	...	...	...	...	1	
	GRAND TOTAL		...	20	...	3,535	...	598	...	5,833	...	9,986	
Kheri ...	Grazing dues	No.	...	...	114,798	15,410	44,465	9,502	...	...	159,263	24,912	
	Baib	Mds.	...	...	11,195	3,727	...	...	...	...	11,195	3,727	
	Grass	"	...	...	12,820	435	187,342	9,303	...	...	200,162	9,738	
	Mahua	"	7	11	...	...	...	...	...	...	7	11	
	Kutch	"	...	...	386	719	...	...	...	...	386	719	
	Lime	"	...	...	200	15	...	...	...	...	200	15	
	Minor produce	"	1	6	517	1,126	...	...	...	...	518	1,132	
	Total ...	No.	...	17	114,798	21,432	44,465	18,805	...	...	159,263	40,254	
		Mds.	8		25,118		187,342				212,468		
	Add—Outstandings realized, Rs. ...		...	2,659	...	193	...	...	...	...	...	2,852	
	GRAND TOTAL ...		...	2,676	...	21,625	...	18,805	...	...	...	43,106	

Bahraich ...	Grazing dues	No.	...	...	166,386	21,825	58,767	13,098	...	...	225,153	34,923	
	Bamboos	"	33,007	2,006	...	...	...	...	...	...	33,007	2,006	
	Canes	"	3,000	17	...	...	...	...	...	...	3,000	17	
	Baib	Mds.	6,097	3,639	632	271	190	63	.	...	6,919	3,973	
	Grass	"	...	...	26,841	2.885	54,815	1,956	...	...	81,656	4,841	
	Mahua	"	...	...	2,032	2,486	. .	...	.	...	2,032	2,486	
	Minor produce	"	..	...	8,120	3,589	...	...	...	..	8,120	3,589	
	Total ...	No	36,007	5,662	166,386	31,056	58,767	15,117	...	...	261,160	51,835	
		Mds.	6,097		37,625		55,005		...		98,727		
	Add—realization of outstandings and earnest-money.		.	4,786	..	...	...	...	...	...	...	4,786	
	GRAND TOTAL, Rs.		.	10,448	...	31,056	. .	15,117	...	...	...	56,621	
Gonda	Grazing dues	No.	...	...	41,512	7,625	7,116	2,027	...	...	48,628	9,652	
	Baib ...	Mds.	1,264	948	2,168	149	...	...	...	...	3,432	2,097	
		Contract		1,000									
	Grass	Mds.	...	...	78,069	4,020	20,318	448	...	...	98,387	4,468	
	Mahua	"	84	61	55	55	...	...	...	...	139	116	
	Kutch	"	...	...	1,015	3,803	...	...	...	...	1,015	3,803	
	Lime	"	2,081	130	2,066	156	..	..	...	...	4,147	286	
	Minor produce	"	...	...	414	116	...	...	...	...	414	116	
	Total .	No.	...	2,139	41,512	15,924	7.116	2,475	...	..	48,628	20,538	
		Mds	3,429		83 787		20,318		...		107,534		
	Deduct—Value of stock remaining unsold.		...	130	...	..	...	...	...	...	...	130	
	GRAND TOTAL, Rs. ...		. .	2,009	...	15,924	...	2,475	. .	...	...	20,408	

FOREST DEPARTMENT, OUDH CIRCLE, NORTH WESTERN PROVINCES AND OUDH

[Form No 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94—(continued).

Division.	Description of produce		Produce removed or utilized— By Government agency: Quantity	By Government agency: Value.	By purchasers: Quantity.	By purchasers: Value	By free grants: Quantity.	By free grants: Value	By right-holders: Quantity	By right-holders: Value	Total: Quantity	Total: Value.	Remarks.
				Rs.		Rs		Rs.		Rs		Rs.	
Gorakhpur ...	Grazing dues	No	...	...	32,509	5,242		...	..	...	32,509	5,242	
	Bamboos	"	110	10	212	19	.	...	...		322	29	
	Grass ..	Mds	...	...	345,860	17,376	...		...	...	345,860	17,376	
	Kutch	"	..	...		362	...		..	...	..	362	
	Minor Produce ...	"	..		2,571	577		..	...		2,571	577	
	GRAND TOTAL	No.	110	10	32,721	23,576	..	...	...	...	32,831	23,586	
		Mds	..		348,431			.	...		348,431		
Total by Divisions	Pilibhit ...	No	.	21	5,593	3,513	2,540	598	21,579	5,833	29,712	9,965	
		Mds	26		18,543		.		13,460		32,029		
	Kheri	No	...	17	114,798	21,432	44,465	18,805	...		159,263	40,254	
		Mds	8		25,118		187,342		...	...	212,468		
	Bahraich	No.	36,007	5,662	166,386	31,056	58,767	15,117	...	...	261,160	51,835	
		Mds	6,097		37,625		55,005		...	..	98 727		
	Gonda	No	.	2,139	41,512	15,924	7,116	2,475	...	.	48,628	20,538	
		Mds	3,429		83,787		20,318		...	...	107,534		
	Gorakhpur	No.	110	10	32,721	23,576	...	...	...	..	32,831	23,586	
		Mds.	...		348,431		.			.	348,431		
	Total ...	No	36,117	7,849	361,010	95,501	112,888	36,995	21,579	5,833	531,594	1,46,178	
		Mds.	9,560		513,504		262,665		13,460		799,189		
	Add—Realization of outstandings and earnest-money.			7,445	...	215	...	.	..	...		7,660	
	Total		...	15,294	...	95,716	...	36,995	.	5,833	...	1,53,838	
	Deduct—Value of stock remaining unsold,		...	131	...	...	...	...	...	...	...	131	

	GRAND TOTAL	...	15,163	...	95,716	...	36,995	...	5,833	...	1,53,707
	Grazing dues ... ... No.	...	...	360,798	50,824	112,888	25,225	21,579	5,090	495,265	81,139
	Bamboos ... ... "	33,117	2,016	212	19	...	...	...	...	33,329	2,035
	Canes ... ... "	3,000	17	...	...	...	...	...	...	3,000	17
	Baib ... Mds.	7,361	4,587	13,995	4,147	190	63	...	...	21,546	9,797
	Baib ... Contract	...	1,000								
	Grass ... ... Mds.	26	21	480,710	27.089	262,475	11,707	13,395	740	756,606	39,557
	Mahua ... ... "	91	72	2,087	2,541	...	...	...	...	2,178	2,613
	Kutch ... ... "	...	...	1,401	4,884	...	...	...	...	1,401	4,684
	Lime ... ... "	2,081	130	2,266	171	...	...	...	...	4,347	301
	Minor produce ... ... "	1	6	13,045	5,826	...	...	65	3	13,111	
Abstract ...	Total ... No.	36,117	7,849	361,010	95,501	112,888	36,995	21,579	5,833	5,31,594	1,46,178
	Total ... Mds.	9,560		513,504		262,665		13,460		7,99,189	
	Add—realization of outstandings and earnest-money.	...	7,445	...	215	...	...	...	...	..	7,660
	Total Rs.	...	15,294	...	95,716	...	36,995	...	5,833	...	1,53,838
	Deduct—Value of stock remaining unsold,	...	131	...	...	...	...	...	...	...	131
	GRAND TOTAL, Rs. ...	...	15,163	...	95,716	...	36,995	...	5,833	...	1,53,707

NAINI TAL:

The 20th September 1894.

S. EARDLEY-WILMOT,

Conservator of Forests, Oudh Circle, N.-W. P. and Oudh.

[Form No. 58.

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

OUTTURN OF MINOR FOREST PRODUCE DURING FOREST YEAR 1893-94.

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government Agency.		By Purchasers.		By free grants.		By Right-holders.		Total.		
		Quantity.	Value	Quantity.	Value.	Quantity.	Value.	Quantity	Value.	Quantity.	Value.	
	I.—Reserved Forests.	No.	Rs	No.	Rs.	No.	Rs.	No	Rs.	No.	Rs.	
Dehra Dún ...	Bamboos	133,016	2,021	915,059	6,990	...	...	...	...	1,048,075	9,011	
	Grazing and fodder grass	...	...	...	8,577	...	...	...	1,963	...	10,540	
	Other minor produce	...	..	...	6,473	...	...	...	...	...	6,473	
	Total ...	133,016	2,021	915,059	22,040	...	...	...	1,963	1,048,075	26,024	
Saháranpur ...	Bamboos	45,300	599	386,025	2 417	...	...	...	...	431,325	3,016	
	Grazing and fodder grass	...	...	...	15,485	...	...	...	531	...	16,016	
	Other minor produce	...	200	...	12,825	...	...	...	...	...	13,025	
	Total ...	45,300	799	386,025	30,727	...	...	...	531	431,325	32,057	
Jaunsár ...	Bamboos	...	...	800	10	...	...	290	30	1,090	40	
	Ringals	...	...	21,100	13	...	...	...	...	21,100	13	
	Grazing and fodder grass	...	29	...	2,487	...	...	...	4,320	...	6,836	
	Other minor produce	...	5,496	...	770	...	...	...	2,000	...	8,266	
	Total ...	...	5,525	21,900	3,280	...	...	290	6,350	22,190	15,155	
	Total Reserved Forests ...	178.316	8,345	1,322,984	56,047	...	...	290	8,844	1,501,590	73,236	
	II.—Protected Forests.											
	Nil.											
	III.—Unclassed Forests.											
	Nil.											
	Abstract for Reserved Forests.											
The Circle ...	Bamboos	178,316	2,620	1,322,984	9,430	...	...	290	30	1,501,590	12,080	
	Grazing dues and fodder grass ...	...	29	..	26,549	...	...	...	6,814	...	33,392	
	Minor produce	...	5,696	...	20,068	...	...	...	2,000	...	27,764	
	Total ...	178,316	8,345	1,322,984	56,047	...	...	290	8,844	1,501,590	73,236	

DEHRA DÚN:
The 27th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 59.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY DURING THE YEAR 1893-94.

Particulars.		No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Balance in hand at commencement of the year.					
BUNDELKHAND DIVISION.					
Miscellaneous ballies		3,292	4,723		
Kiras		442	442		
Kurias		17,924	17,924	21,658	23,089
Firewood	Mds.	1,485	2,970	...	
Charcoal	"	673	6,730	2,158	9,700
Bamboos	Nos.	99,161	...	99,161	...
Grass	Bundles	61,500	...	61,500	...
Received from Forests in Depôts.					
Chir (Pinus longifolia) scantlings, poles, &c.		1,201	19,740	...	...
Sál (Shorea robusta) ditto		1,413	7,850	...	...
Haldu (Adina cordifolia) ditto		46	419	...	...
Shisam (Dalbergia sissoo) ditto		4	35	...	...
Sein (Terminalia tomentosa) ditto		60	215	...	...
Tun (Cedrela toona) ditto		3	42	...	...
Khair (Acacia catechu) ditto		42	640	...	...
Jaman (Eugenia Jambolana) ditto		2	25	...	...
Bakli (Anogeissus latifolia) ditto		15	99	...	...
Dhura (Lagestœmia) ditto		1	2	...	...
Miscellaneous ditto		5,460	10,225	...	...
Kurias		22,868	22,868	31,115	62,160
Firewood	Mds.	191,411	241,356	...	...
Charcoal	"	1,286	12,860	192,697	254,216

Particulars.		No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Removed by purchasers from depôts.					
Miscellaneous bullies.		4,321	6,376	...	...
Kiras		119	119	...	...
Kurias		23,027	23,027	27,467	29,522
Firewood	Mds	157,606	194,809		
Charcoal	"	1,158	11,580	158,764	206,389
Bamboos	Nos.	355,783	...	355,783	...
Grass	Bdles.	614,000	...	614,000	...
Mahua	Mds.	61	...	...	
Gum	"	1	...	...	...
Chironji	"	1	...	63	...
Baghai	Loads.	18	...	...	...
Leather	Nos.	30	...	...	...
Horns	"	3	...	...	...
Sickles	"	2	...	53	...
Struck off for various causes.					
Miscellaneous ballies.		111	168		
Kiras		322	322		
Kurias		3,265	3,265	3,698	3,755
Firewood	Mds.	787	1,574	...	...
Charcoal	"	101	1,010	888	2,584
Sold locally.					
Sál (shorea robusta) logs and ballies ...		1,152	3,413	...	...
Miscellaneous ditto ...		621	229	1,773	3,642
Firewood	Mds.	6,589	14,151	6,589	14,151

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH. {Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS OR SOLD LOCALLY, DURING THE YEAR 1893-94.

Particulars.		No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Bamboos	Nos. ...	408,987	...	*408,987	...
Grass	Bundles	672,500	...	672,500	...
Lime	Mds.	260	...	260	...
Mahua	"	61	...	...	
Gum	"	1	...	...	
Chironji	"	1	...	63	
Baghai	Loads	18	...	...	
Leather	Nos.	30	...	...	
Sickles	"	2	...	...	
Horns	"	3	...	53	
Received form the forests and sold locally.					
Sàl (Shorea robusta) logs and bullies		1,152	3,413	...	...
Miscellaneous ditto		621	229	1,773	3,642
Firewood	Mds.	6,589	14,151	6,589	14,151
Omitted from previous returns.					
Sál (Shorea robusta) scantlings		118	195	...	...
Tun (Cedrela toona) ditto		63	32	...	...
Haldu (Adina cordifolia) ditto		2	2	...	...
Shisham (Dalbergia sissoo) ditto		109	54	292	283

Particulars.		No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Used by department.					
Chir (pinus longifolia) scantlings, poles, &c. ...		1,201	19,740	...	...
Sàl (Shorea robusta) ditto ...		839	7,155	...	...
Haldu (Adina cordifolia ditto ...		46	419	...	...
Shisam (Dalbergia sissoo) ditto ...		4	35	...	...
Sein (Terminalia tomentosa) ditto ...		60	215	...	...
Tun (Cedrela toona) ditto ...		3	42	...	...
Khair (Acacia catechu) ditto ...		42	640	...	...
Jaman (Engenia jambolana) ditto ...		2	25	...	...
Bakli (Anogeisus latifolia) ditto ...		15	99	...	...
Dhoura (Lagestrœmia parviflora) ditto ...		1	2	...	...
Miscellaneous ditto ...		1,289	3,886	3,502	32,258
Firewood	Mds,	71	141	71	141
Bamboos	Nos.	6,028	...	6,028	...
Grass	Bdles.	27,000	...	27,000	...
Lime	Mds.	260	...	260	...
In transit from one depôt to another.					
Bamboos	Nos.	3,225	...	3,225	...
Balance at close of the year.					
NAINI TAL DIVISION.					
Firewood	Mds.	31,946	42,748	31,946	42,748
KUMAUN DIVISION.					
Sál (Shorea robusta) scantlings		492	446	...	...
Tun (Cedrela toona) ditto		63	32	...	...
Haldu (Adina cordifolia) ditto		2	2	...	...
Shisham (Dalbergia sissoo) ditto		109	54	666	534

Grand Total ...	Timber ...	...	...	54,838	89,174	
	Firewood ...	Mds.	1,99,485	2,58,477	...	...
	Charcoal ...	"	1,959	19,590	2,01,444	2,78,067
	Bamboos ...	Nos.	...	...	5,08,148	...
	Grass ...	Bdles	...	...	7,34,000	...
	Lime ...	Mds.	...	...	260	...
	Mahua ...	"	61	...	...	...
	Gum ...	"	1	...	...	...
	Chironji ...	"	1	...	63	...
	Baghai ...	Loads	18	...	...	...
	Leather ...	Nos.	30	...	...	...
	Sickles ...	"	2	...	...	...
	Horns ...	"	3	...	53	...

Sál (Shorea robusta) ballies...		...	200	444	200	444
Firewood		Mds.	160	400	160	400
Bundelkhand Division.						
Miscellaneous ballies.			3,031	4 518	...	...
Kiras			1	1	...	...
Kurias			14,500	14,500	17,532	19,019
Firewood		Mds.	2,326	4,654	...	...
Charcoal		"	700	7,000	3,026	11,654
Bamboos		Nos.	1,43,112	...	1,43,112	...
Grass		Bdles.	93,000	...	93,000	...
Grand Total ...	Timber ...		-	-	54,838	89,174
	Firewood ...	Mds.	1,99,485	2,58,477		
	Charcoal ...	"	1,959	19,590	2,01,444	2,78,067
	Bamboos ...	Nos.	...	...	5,08,148	...
	Grass ...	Bdles.	...	...	7,34,000	...
	Lime ...	Mds.	...	...	260	...
	Mahua ...	"	61	...	...	...
	Gum ...	"	1	...	...	...
	Chironji ...	"	1	...	63	...
	Baghai ...	Loads	18			
	Leather ..	Nos.	30	...	...	...
	Sickles ...	"	2	...	...	...
	Horns ...	"	3	...	53	...

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

Form No. 59.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94.

Particular.		No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
I					
BALANCE AT COMMENCEMENT OF THE YEAR BY DIVISION.					
Pilibhít Division.					
(a)—*Timber.*					
Sál logs		66	503		
„ ballies		112	178	178	681
(b)—*Firewood.*					
Firewood ...	Mds. ...	16,415	32,830	16,415	32,830
(c)—*Minor Produce.*					
Thatching grass Pulas ...	No. ...	1,172	...	...	...
„ „ ...	Mds. ...	24	...	...	...
Sál bark cart loads ...	No. ...	1	...	1,173	...
„ „ ...	Mds. ...	10	...	34	...
Kheri Division.					
(a)—*Timber.*					
Sál logs		1,938	70,614	...	...
„ ballies		1,553	5,763	..	...
Asna logs		253	3,545	...	...
„ ballies		31	113	...	...
Haldu logs		143	10,019	...	...
„ ballies		4	18	...	...

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
I				
REMOVED BY PURCHASERS FROM DEPÔT.				
(a)—*Timber.*				
Sál ballies	25,752	71,306	...	...
„ scantlings	205	149	...	...
„ logs	1,623	50,131	...	...
Asna logs	71	1,587	...	...
„ ballies	21	69	...	...
Haldu logs	125	9,549	...	...
Sál sleepers	49,531	74,671	...	...
Asna „	4,661	6,991	...	...
Large boats	5	...	...	...
Dugouts	58	...	...	...
Miscellaneous ballies	941	912	...	...
Asna scantlings	71,581	1,08,051	...	...
Mahua logs	1	9	...	...
Asna battens	3	6	...	...

Sissu logs	11	322	...	...
Sál scantlings	5,469	5,517	...	...
Sál sleepers { 6 × 8 × 5 = 5,377 = 10,754 / 6 × 8 × 4½ = 1,42,267 = 2,13,400 }	1,47,644	2,24,154	...	...
Sál Sugar Mill frames	26,265	10,495	...	...
„ signals	6	80	...	...
Asna sleepers { 6 × 8 × 6 = 218 = 436 / 6 + 8 × 4½ = 8,838 = 13,257 } ...	9,056	13,693	...	...
„ beams	2	37	...	...
Large boats	48	...	...	...
Dugouts	186	...	...	...
Miscellaneous ballies	1,468	4,340	...	...
„ slogs	5	138	...	...
Asna scantling	71,204	1,07,693	2,65,286	4,61,541
(b)—Drift.				
Sál logs	2	43	...	...
„ ballies	8	16	...	...
Sissu logs	84	996	...	...
„ ballies	196	1,339	...	...
Deodar logs	19	487	...	...
„ ballies	5	16	...	...
„ beams	1	23	...	...
Tun logs	2	112	...	...
Haldu logs	3	99	...	...
„ ballies	4	38	...	...
Asna logs	2	125	...	...
„ ballies	4	30	...	...
Sandan logs	1	24	...	...
„ ballies	5	2	...	...
Miscellaneous logs	17	243	...	...
„ ballies	68	169	421	3,762
(c)—Firewood.				
Firewood	2,28,001	4,56,002	2,28,001	4,56,002
(d)—Minor produce.				
Baib grass ... ... Mds. ...	758	...	758	...
Bahraich Division.				
(a)—Timber.				
Sál poles	5,844	9,612	5,844	9,612
(b)—Drift.				
Drift	734	9,127	734	9,127

Asna sleepers	578	867	...	...
Sissu logs	2	32	...	...
Dhau logs	1	2	...	...
„ ballies	13	20	...	...
Sál battens	236	151	...	...
Mds. ...	53	...	...	...
„ planks	17	11	...	...
„ windows	3	2	...	...
„ chaukhats	5	36	...	...
Sissu ballies	2	18	1,55,435 Mds. 53	3,24,570
(b)—Drift.				
Tikui logs	8	92	...	...
„ ballies	2	39	...	...
Sál logs	91	2,210	...	...
„ ballies	160	1,361	...	...
Sissu logs	509	7,247	...	...
„ ballies	1,894	12,366	...	...
Deodar logs	11	130	...	...
„ ballies	6	27	...	...
Tún logs	1	13	...	...
„ ballies	6	30	...	...
Haldu logs	3	38	...	...
„ ballies	2	8	...	...
Asna ballies	77	600	...	...
Sandan logs	2	28	...	...
„ ballies	12	53	...	...
Miscellaneous logs	82	2,049	...	...
„ ballies	369	1,225	...	...
Asna planks	40	122	...	...
Sál scantlings	101	53	...	...
„ planks and slabs	1,075	347	...	...
Asna sleepers	3	6	...	...
Sál beams	12	75	...	...
Dugouts	12	...	...	...
„ pieces	6	...	...	...
Sissu roots	34	...	...	...
„ scantlings	1	3	...	...
Asna beams	2	25	...	...
„ scantlings	1	1	...	...
Miscellaneous battens	1	4	...	...

[Form No. 59.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPOTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94—(continued.)

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity	Total of each head. Cubic feet.
(c)—Firewood.				
Firewood ... Mds. ...	20,840	41,680	20,840	41,680
(d)—Minor produce.				
Bankas ... Mds. ...	11,071	...	11,071	...
GONDA DIVISION. *(a)—Timber.*				
Sál logs	28	527	...	...
„ ballies	1,764	2,742	...	...
„ beams	9	48	...	...
„ scantlings	612	607	...	...
„ pieces	58	405	...	...
Asna ballies	42	88	...	...
„ sleepers	5,260	7,890	...	...
„ scantlings	131	222	...	...
„ battens	248	25	...	...
„ pieces	262	252	...	...
Sissu logs	15	346	...	...
„ ballies	4	26	...	...
„ scantlings	51	33	...	...
„ pieces	3	20	...	...
Haldu „	6	81	...	...
Dhau Baliss	34	62	...	...
Miscellaneous logs	4	182	...	...
„ Ballies	61	113	...	...
„ Pieces	1	4	...	...
Dugouts.	4	...	...	...

Particulars.	No. or quantity.	Cubic feet	Total of each head. No. or quantity	Total of each head. Cubic feet.
Canoes	3	...	...	...
Sál sleepers	9	13	...	...
Asna logs	7	165	...	...
Wrought timber	2	9	...	...
Rapti drift ... No. ...	223	19,587	...	...
Rapti drift ... Mds. ...	8,923	...	...	...
Great Gandak drift ... No. ...	782	37,844	5,549	85,770
Great Gandak drift ... Mds ...	14,267	...	23,190	...
C.—Firewood.				
Firewood ... ...Mds. ...	1,157,840	2,315,681	1,157,870	2 315,981
Charcoal ... ... „ ...	30	300		
D.—Minor Produce.	...	...	...	...
Minor produce ... No. ..	4	...	...	...
Minor produce ... Mds. ...	1	...	...	...
Mahwa ... ... „ ...	88	...	...	...
Baib grass ... ... „ ...	10,736	...	3,004	...
Canes ... ...No. ...	3,000	...	1,0825	

Sal planks	178	95		
„ Battens	719	161		
„ Sleepers	6,018	9,027		
„ Offcuts ... ...Mds. ...	168	336		
Mango scantlings	43	62		
Sal slabs	33	15		
„ Trusses	16	64		
„ Posts	18	29		
Scrap wood ... ...Mds. ...	10	19		
Sal doors	2	2		
Gate railings	2	2		
Door frames	1	2		
Windows	3	2		
Chaukhats	5	36	15,635	23,525
B.—Drift.				
Sal logs	1	58	1	58
C.—Fire wood.				
Firewood ... ...Mds. ...	38,847	77,694	38,847	77,694
D.—Minor produce.				
Mawha flower ... ...Mds. ...	111	...		
Baib grass	9,787	...	9,898	...
			...	...
Gorukhpur Division.				
A.—Timber.				
Sal ballies	136	427		
„ Pieces	894	765	1,030	1,192
B.—Drift.				
Rapti	405	588		
Great Gandak	84	687	489	1,275

Sold locally.				
A.—Timber.				
Sal logs	12	340		
„ Ballies	63,724	80,038		
„ Scantlings	240	209		
„ Battens...	96	46		
„ Beams	58	116		
Sal sleepers	2	3		
„ Battens ... ... No. ...	33	36		
„ Battens ... ... Mds. ...	173	...		
„ Planks	98	67		
„ Posts	6	6		
Scrap wood ... ...Mds. ...	78	154		
Mango scantling	43	62		
„ Wood	148	296		
Sissu log	3	88		
B.—Firewood.			64,463	8,1786
			251	
Fire wood ... ... No. ...	77	1,644,722	77	
Fire wood ... ... Mds. ...	822,361			
Charcoal	30	300	822,391	1,645,022
		...		
C.—Minor produce.				
Baib grass ... ...Mds. ...	20	...	20	
D.—Bamboos.				
Bamboos	100	...	100	
III.				
Converted in Depot.				
Sal logs	8	120		
„ Ballies	269	412	277	532
VI.				
Lost or written off as useless.				
A.—Timber.				
Sal logs	1	32		
„ Ballies	201	1,935		
„ Sleepers	489	911		
Asna do.	502	753		
Large boats	8	...		
Dugouts	2	...	1,203	3,631

[From No. 59.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94—(continued.)

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
C.—Firewood.				
Firewood ... ... Mds	2,39,943	4,79,686	239,943	479,886
Total No. ...			290,791	1,598,865
Total Mds. ...			565,985	
II. Received from the forests in depôts. A.—Timber.				
Sal logs	153	3,788		
„ Ballies	41,325	135,122		
Asna logs	32	907		
„ Ballies	9	45		
Haldu logs	...	752		
Sleepers	3	5		
Miscellaneous ballies	88	44		
Asna scantlings	1	9		
Mango logs	590	752		
Dugouts	6	...		
Sal scantlings	28	29	42,235	141,443
B.—Drift				
Rapti ... ... No. ...	1,589			
Rapti ... ... Mds. ...	8,915	23,962		
Great Gandak ... ... No. ...	809			
Great Gandak ... ... Mds. ...	14,267	38,047		
Sal logs	101	2,653		
„ Ballies	136	1,333		

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No or quantity.	Total of each head. Cubic feet.
B—.Drift.				
Sal logs	1	32		
„ Ballies	4	12		
Sissu logs	7	284		
„ Ballies	58	423		
Asna logs	2	34		
„ Ballies	3	26		
Miscellaneous logs	14	416		
„ Ballies	43	332	132	1,559
C.—Firewood.				
Firewood ... ... Mds. ...	11,512	23,025	11,512	23,025
D.—Minor produce.				
Baib grass ... ... Mds ...	2,930			
Grass ... ... No. ...	1		1	
Grass ... ... Mds. ...	10		2,940	
V. Used by Department. A.—Timber.				
Sal beams	4	20		
„ ballies	1,057	2,030		
„ Logs	38	1,019		
Sissu logs	9	198		
Sal scantlings	344	416		

Sissu logs		496	7,172			
Ditto ballies		1,802	11,066			
Deodár logs		20	243			
Ditto ballies		6	27			
Tun logs		1	16			
Do. ballies		6	30			
Haldu logs		8	107			
Ditto ballies		5	50			
Asna logs		13	380			
Do ballies		78	647			
Sandan logs		2	9			
Ditto ballies		7	51			
Miscellaneous logs		70	1,928			
Ditto ballies		361	1,129			
Sál sleepers		19	28			
Asna planks		43	131			
Sál scantlings		100	47			
Sál planks and slabs		1,080	355			
Asna sleepers		3	6			
Sál beams		13	105			
Dugouts		21	...			
Sissu roots		34	...			
Do. scantlings		1	3			
Asna beams		8	98			
Do. scantlings		2	4			
Wrought timber		3	9	6,849		
Canoes		12	...	23,182	89,636	
C.—Firewood						
Firewood	Mds.	1,658,419	3,316,839			
Charcoal	„	30	300	1,658,449	3,317,139	
D.—Minor produce.						
Minor produce	No.	4	...			
	Mds.	2	...			
Mahwa	„	16	...			
Baib	„	11,983	...			
Canes	No.	3,000	...	No. 3,004	...	
Lime	Mds.	169	...	Mds. 12,170	...	
E.—Bamboos.						
Bamboos	No.	33,482	...	33,482	...	
III.—Received from the forests and sold locally.						
A.—Timber.						
Sál ballies		64,853	81,586			
Do. logs		62	1,164			
Asna logs		1	18			
Do. battens		2	1			
Do. ballies		9	19			
Asna scantlings		339	584			
Sál sleepers		231	395			
Asna do.		154	231			
Sál battens		2	28			
Asna logs		1	10			
Do. battens		117	55			
Sissu scantlings		51	33			
Haldu battens		2	25	2,349	5,044	
B.—Drift.						
Sál ballies		1	15			
Rapti	No.	8	37			
	Mds.	3				
Great Gandak		3	48			
Miscellaneous logs		1	39	No. 13	139	
				Mds. 3		
C.—Firewood.						
Firewood	Mds.	17,924	35,848	17,924	35,848	
D.—Minor produce.						
Grass	No.	1,475				
	Mds.	30				
Baib grass	Mds.	88	...	1,475	...	
Lime	„	169	...	287	...	
E.—Bamboos.						
Bamboos	No.	116	...	116	...	
VI.—Transfer to other sale Depôts.						
A.—Timber.						
Sál sleepers		8,052	12,077			
Miscellaneous ballies		9	18			
Large boat		1	...			
Sál ballies		4,811	9,954			
Do. beams		2	12			
Door frames		1	2			
Sál battens		425	74			
Do. doors		2	2			
Do. scantlings		229	309			
Do. planks		91	44			
Do. posts		20	34			
Asna sleepers		4,678	7,017	18,321	29,543	
B.—Firewood.						
Firewood	Mds.	560,680	1,121,360	...	..	
Charcoal		30	300	560,710	1,121,660	

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FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94.

Particulars.		No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
III.—Received from the forests and sold locally—(continued).					
A.—Timber—(continued).					
Sissu logs		1	28		
Dhau logs		1	2		
Do. planks		1	1		
Do. ballies		1	1		
Miscellaneous ballies		592	555		
Kusum plank		1	1	65,524	83,376
B.—Firewood.					
Firewood ...	No. ...	77			
	Mds. ...	822,361	1,644,722	77	...
Charcoal		30	300	822,391	1,645,022
C.—Minor produce.					
Pula grass	No. ...	303	...		
Baib grass	Mds. ...	20	...		
Other minor produce	" ...	6	...	303	...
				26	...
D.—Bamboos.					
Bamboos	No. ...	100	...	100	...
III.—Received by conversion into Depôt.					
A.—Timber.					
Sál scantlings		99	203		
Do. battens		6	11	105	114

Particulars.		No. or quantity.	Cubic feet.	Total of each head. No or quantity.	Total of each head. Cubic feet.
C.—Minor produce.					
Baib grass	Mds. ...	2,455	...	2,455	
D.—Bamboos.					
Bamboos	No. ...	1,250	...	1,250	
VII.—Made over to claimants.					
A.—Drift.					
Sissu logs		28	844		
Sál do.		8	264		
Do. ballies		18	265		
Sissu ballies		30	309		
Asna logs		4	124		
Do. ballies		1	14		
Miscellaneous logs		5	134		
Ditto ballies		1	3		
Canoes		1	...		
Rapti drift		307	971		
Great Gaudak drift		25	142	428	3,070
VIII.—Exhibition.					
Kusam plank		1	1	...	...
Dhau do.		1	1	2	2
IX.—Balance at close of the year, Pilibhit Division.					
A.—Timber.					
Ballies		132	228	132	228

IV.—Received by transfer from sale Depôt.					
A.—Timber.					
Sál ballies	4,816	10,030			
Do. sleepers	8,069	12,103			
Asna do	4,661	6,991			
Sál logs	1	18			
Do scantlings	313	321			
Do. battens	425	74			
Do beams	12	48	18 297	29,585	
B.—Firewood.					
Firewood ... ... Mds. ...	231,709	463,418			
Charcoal ... ... " ..	30	306	231,739	463,718	
C.—Bamboos.					
Bamboos ... ... No. ...	1,250	...	1,250	...	
V.—Received by adjustment of stock forms on stock taking.					
A.—Timber.					
Sál scantlings ... No. .	121	93			
Mds ...	4				
Sál planks	28	27			
Do. battens ... No. ...	51	120			
Mds. ...	58				
Do. sleepers	9	13			
Mango wood	148	296			
Sál beams	58	116			
Do. posts	8	11			
Scrap wood ... ... Mds. ...	68	135			
Sál ballies	34	43			
Do. logs	3	17			
Sissu scantlings ... Mds. ...	2	5			
Asna ballies	1	6	461	882	
			132		
Total, Receipts No ..	...	...	171,687	5,770,915	
Mds. ...	...	...	2,748,089		
Add opening balance No. ...	...	...	299,791	1,598,865	
Mds. ...	...	...	565 985		
GRAND TOTAL No. ...	...	...	462,478	7,369 780	
Mds. ...	..	...	3,314,074		

B.—Firewood.				
Fuel ... ... Mds. ...	23,331	46,662	23,331	46,662
Kheri Division.				
A.—Timber.				
Sál logs	554	24,629		
Do ballies	3,268	4 620		
Asna logs	215	7,883		
Do. ballies	31	113		
Haldu logs	18	1,222		
Do ballies	4	18		
Sissu logs	9	293		
Sál scantlings	31,509	15 757		
Do. sleepers 6 × 8 × 6 = 4,177 = 8,354 ...	103,438	157 245		
6 × 8 × 4½ = 99,261 = 1,48891				
Asna " 6 × 8 × 6 = 218 = 436 ...	8,404	12,715		
6 × 8 × 4½ = 8,186 = 12,279 ...				
Asna beams	2	37		
Large boats	34	...		
Dugouts	132	...		
Miscellaneous ballies	1,198	4,009		
Ditto logs	5	138	148,821	228,709
B.—Drift.				
Sál logs	1	39		
Do. ballies	5	5		
Sissu logs	84	1,251		
Do. ballies	344	1,947		
Deodár logs	28	700		
Do. ballies	5	16		
Tún logs	2	115		
Haldu logs	1	70		
Do. ballies	5	41		
Asna logs	4	178		
Do ballies	4	30		
Sandan logs	1	5		
Deodar beams	1	23		
Miscellaneous logs	8	145		
Ditto ballies	55	109		
Sál sleepers	10	15		
Asna planks	3	9		
Sál scantlings	2	4		
Do plank slabs	5	8		
Do. beam	4	46		
Dugouts	2	...		
Asna beams	4	49		
Do. scantlings	1	3		
Wrought timber	1	...	580	4,808

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FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF DURING THE YEAR 1893-94.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Eight hundred and ninety-four pieces of wood under "Timber" shown in Gorakhpur on account closing balance of 1892-93 as number have now been shewn in maunds.	No. −894	Mds. +379	No. −1,229 Mds +397	
Five pieces omitted in closing balance of 1892-93 in Gorakhpur.	+5	...		
No. 340, under drift wood on account of part closing balance of 1892-93, now shewn as maunds.	−340	+18		

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
C.—Firewood.				
Fuel	121,418	242,836	121,418	242,836
Bahraich Division.				
A.—Timber.				
Sál ballies	5,278	16,800	5,278	16,800
B.—Drift.				
Sál logs	29	1,012		
Do. ballies	22	362		
Sissu logs	15	551		
Do. ballies	121	1,034		
Asna logs	8	233		
„ ballies	19	259		
Miscellaneous logs	7	179		
„ ballies	23	278		
Canoes	11	...	255	3,908
C.—Firewood.				
Fuel Mds. ...	36,593	73,186	36,593	73,186
D.—Minor produce.				
Baib grass ... ... Mds. ...	5,436	...	5,436	
E.—Bamboos.				
Bamboos Nos. ...	32,907	...	32,907	
GONDA DIVISION.				
A.—Timber.				
Sál logs	8	96		
„ ballies	340	497		
„ Scantlings ... ... No. ...	399	429		
„ Scantlings ... ... Mds. ..	4			
„ Battens	471	266		
Sál beams	12	48		
Asna logs	5	64		
„ ballies	40	89		
„ scantlings	5	22		
„ battens	386	143		
Sissu logs	2	60		
„ scantlings Mds. ...	2	5		

							Dhau ballies	22	43		
							Miscellaneous ballies	54	98	1,744 Mds. 6	1,860
							B.—Drift.				
							Sál logs	38	390		
							Asna „	1	19		
							„ beams	2	24		
							Sissu logs	15	121		
							Tikui „	3	62		
							Miscellaneous logs	6	152		
							Ditto ballies	5	5		
							Dugouts	5	...	75	782
							C.—Firewood				
							Fuel { Railway ... 70,392 ... ... / Thick ... 9,292 ... ... / Thin 33,350 ... ... }	56,517	113,034	56,517	113,034
							D.—Minor produce.				
							Baib grass Mds. ...	11,954	...		
							Mahwa flowers	39	...		
							Other produce	1	...	1,1994	
							Gorakhpur Division.				
							A.—Timber.				
							Sál ballies	15,599	57,648		
							Sleeper pieces	5	5	15,604	57,653
							B.—Drift.				
							Sál logs	22	486		
							Asna „	7	96		
							Sál ballies	1,015	3,335		
							Planks	7	7		
							Canoes	25	227		
							Fuel Mds. ...	7	14		
							Sissu logs	9	119		
							Champ „	7	24		
							Sissu ballies	5	83		
							Tun „	2	11		
							Kurma „	2	24		
							Wrought timber	27	27		
							Asna ballies	71	202	1,199 Mds 7	4,655
							C.—Firewood.				
							Fuel Mds.. ...	448,738	897,477	448,738	897,477
							E.—Bamboos.				
							Bamboos	459	...	459	...
							Total disposals ... { Nos. / Mds }	... / ...	... / ...	254,195 / 2,610,431	5,077,182
							Closing balance .. { Nos. / Mds. }	... / ..	... / ...	207,054 / 704,040	1,692,598
Grand Total ...	{ No. / Mds.			461,249 / 33,14,471	73,69,780		Grand Total { No. / Mds. }	... / ...	... / ...	461,249 / 3,314,471	7,369,780

Under head 1, 523,216 maunds omitted in the closing balance of fuel of 1892-93 have been added in 1893-94. Fuel was given in cubic feet only last year.

NAINI TAL.
Dated the 20th September 1894.

S. EARDLEY WILMOT,
Conservator of Forests, Oudh Circle.

[Form No 59.

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF DURING THE YEAR 1893-94.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
BALANCE IN HAND ON 1ST APRIL 1893.				
Dehra Dún. Tún, &c., logs, karis and bargas.	25	147		
Dehra Dún. Ballas, tors, ballis, &c. ...	1,247	1,841	1,272	1,082
Dehra Dún. Fire-wood	...	105,821	...	105,821
Sahárunpur. Chir and khair karis ...	110	110		
Sahárunpur. Sál and kukat poles ..	52	15	162	125
Sahárunpur. Fire-wood and charcoal ...	...	877	...	877
Sahárunpur. Bamboos	20	...	20	...
Sahárunpur. Harra and bahera fruits, Md.	9—20	...	9—20	...
Jaunsár. Broad gauge deodar sleepers,	3,110	10,858	...	
Jaunsár. Metre Do ditto ...	1,13,871	176,975	...	
Jaunsár. Fir, pine, deodar, sál, oak, &c., timber.	28,600	41,255	...	
Jaunsár. Drift timber	357	271	145,938	220,359
Jaunsár. Fire-wood and charcoal ...	...	90,334	...	90,334
Jaunsár. Crude resin Mds.	386—37	...	386—37	...
		Mds. Srs		
Jaunsár. Turpentine Gls	980	110-13	980	...
Jaunsár. Deodar oil Mds.	3—0	...	3—0	...
Jaunsár. Chir and kail tar do.	55 5	...	55—5	...
Jaunsár. Lime C. ft.	..	235	...	235
Total balance. Timber	...	...	1,47,372	231,472
Total balance. Fire-wood and charcoal ...	...	...	...	197,032
Total balance. Bamboos ...	...	...	20	...
Total balance. Harra and bahera fruits, Mds.	...	...	9—20	...
Total balance. Crude resin do.	...	...	386—37	...
Total balance. Turpentine Gls.	...	...	980	...
Total balance. Deodar oil Mds.	...	...	3—0	...
Total balance. Chir and kail tar do.	...	...	55—5	...
Total balance. Lime	...	...	..	235
RECEIVED FROM THE FOREST IN DEPÔTS.				
Sál, sissoo, &c., logs, tors, ballas beams, &c.,	7,468	4,812	...	
Broad gauge deodar sleepers ...	19,910	69,132	...	
Metre Ditto ditto ...	106 408	167,047	...	
Fir, pine, deodar scantlings ...	47,255	50,105	181,041	291,096
Fire-wood and charcoal ...	...	291,790	...	291,790
Bamboos...	177,836	...	177,836	...
Colophony Mds.	285	...	285	
Crude resin do.	639	..	639	
Turpentine Gls.	408	...	408	
Chir and kail tar Mds.	13	...	13	
Deodar oil do.	7	...	7	
Lime	...	20	...	20
Kinó gum	20	...	20	...
Grass pulas and loads - ...	5,710	...	5,710	...
DEPARTMENTAL COLLECTION OF DRIFT TIMBER FROM THE GANGES AND JUMNA.				
Timber	1,458	6,786	1,458	6,786
Fire-wood and charcoal ...		53,775	..	53,775
Bamboos...	480		480	...
RECEIVED FROM THE FOREST AND SOLD LOCALLY.				
Sál and kukat poles and saplings.	4,288	10,273		
Metre-gauge deodar sleepers ...	356	524		
Fir, pine, deodar scantlings ...	11,416	19 717	16,060	30,514
Fire-wood and charcoal ...	...	17,636	...	17,636

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity	Total of each head. Cubic feet.
REMOVED BY PURCHASERS FROM DEPÔTS.				
Broad gauge deodar sleepers.	8,663	30,321		
Metre ditto ditto	104,654	164,095		
Fir, pine, deodar, sál, oak, timber, &c.,	11,991	15,417		
Chir, karis and sál beams	58	130		
Sál and kukat poles, ballas, tors, ballis, &c.,	7,511	4,226	132,877	214,189
Fire-wood and charcoal...	...	373,872	...	373,87
Bamboos ...	96,526	...	96,526	
Crude resin Mds.	15—37	..	15—37	
Colophony do.	278	...	278	
Turpentine Gls.	1301	...	1,301	
Deodar oil Mds	2	...	2	
Grass pulas and load	5,710	...	5,710	
Harra and bahera fruits Mds.	9—20	...	9—20	
SOLD LOCALLY.				
Metre-gauge deodar sleepers.	356	524		
Fir, pine, deodar scantlings.	11,416	19,717		
Poles and saplings ...	4,288	10,273	16,060	30,514
Fire-wood and charcoal..	...	17,636	...	17,636
CONVERTED IN DEPÔTS AND TRANSFERRED TO OTHER DIVISIONS.				
Deodar, fir, pine scantlings.	202	302	.	
Fir, pine, timber ...	20	70	222	372
Crude resin ..	431	...	431	
Chir and kail tar and pitch	14	...	14	
Turpentine Gls.	1	...	1	
Kino gum ...	0—20	...	0—20	
LOST OR WRITTEN OFF.				
Broad gauge sleepers ...	415	1,487		
Metre ditto	483	704		
Fir, pine, deodar, &c., scantlings.	968	1,431		
Drift timber ...	4	28	1,870	3,650
Fire-wood and charcoal ..	...	2,183	...	2,183
DRIFT TIMBER, &C., SOLD				
Logs, gats, &c ,	1,045	3,795		
Sleepers, karis and bargas	45	52		
Ballis and karwas ...	15	30	1,105	3,877
Bamboos ...	480	...	480	...
Fire-wood and charcoal .	...	57,025	...	57,025
USED BY DEPARTMENT.				
Sál, tun, sissu, &c., logs	42	463		
Sál and kukat poles and ballas and ballis	783	1,158		
Sál beams and khair karis,	58	66		
Sal ballis, korwas, &c., ...	205	577		
Broad gauge and metre gauge sleepers.	62	135		

[Form No. 59.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF DURING THE YEAR 1893-94.—(*continued.*)

Particulars.	No. or quantity	Cubic feet.	Total of each head: No. or quantity.	Total of each head: Cubic feet.
RECEIVED FROM THE FOREST FOR DEPARTMENTAL USE.				
Sál, sissu and tun logs ...	25	266		
Sál, kukat poles	550	849	575	1,115
Grand Total.				
Timber	...	...	346,506	560,983
Fire-wood and charcoal ...	...	...	...	560,233
Bamboos	...	...	178,836	...
Crude resin ... Mds.	...	...	1,025-37	...
Colophony ... do.	...	...	285	...
Turpentine ... Gls.	...	...	1,388	...
Deodar oil ... Mds.	...	...	10	...
Chir and kail tar & pitch do.	...	...	69	...
Lime ... C.ft.	...	...	...	255
Grass pulas and loads No.	...	...	5,710	...
Kino gum ... Mds.	...	...	20—0	...
Harra and bahera fruits do.	...	...	9—20	...

Particulars.	No. or quantity	Cubic feet.	Total of each head: No. or quantity.	Total of each head: Cubic feet.
USED BY DEPARTMENT.				
Deodar, fir, pine, timber.	19,528	15,208		
Drift timber ..	3	28	20,681	17,635
Fire-wood and charcoal...	...	3,272	...	3,272
Bamboos	1,324	...	1,324	...
Turpentine... Gls	6	...	6	...
Chir and kail tar Mds	16—5	...	16—5	...
Deodar oil	34	...	34	...
Lime	...	155	...	155
BALANCE AT CLOSE OF YEAR.				
DEHRA DÚN DIVISION.				
Sál, shisham, tun logs, karis, ballas, &c., including drift.	1,028	3,209	1,028	3,209
Fire-wood and charcoal..	...	25,184	...	25,184
Bamboos	80,000	...	80,000	...
SAHÁRANPUR DIVISION.				
Drift logs, gats, &c., ...	58	421	58	421
Fire-wood and charcoal..	...	1,336	...	1,336
Bamboos	6	...	6	...
Dhak gum ... Mds	19—20	...	19—20	...
JAUNSAR DIVISION.				
Broad gauge deodar sleepers.	13,936	48,161		
Metre ditto .	115,086	179,109		
Fir, pine, deodar, sál, oak, &c., timber including drift.	43,583	59,756	172,605	287,026
Fire-wood and charcoal..	...	79,725	...	79,725
Crude resin... Mds.	579	...	579	
Colophony ... do.	7	...	7	
Turpentine ... Gls	80	...	80	
Deodar oil	4	...	4	
Chir and kail tar ...	39	...	39	
Lime	...	100	...	100
Total balance.				
Timber ...	...	...	173,601	290,746
Fire-wood and charcoal.	...	...	...	106,245
Bamboos ...	...	...	80,006	
Crude resin Mds.	...	...	579	
Colophony do.	...	...	7	
Turpentine Gls.	...	...	80	
Deodar oil Mds	...	...	4	
Chir and kail tar ...	...	...	39	
Lime	...	...	...	100
Dhak gum ..	...	...	19—20	
Grand total.				
Timber ...	...	..	346,506	560,983
Fire-wood and charcoal.	...	...	...	560,233
Bamboos ...	...	..	178,836	
Crude resin Mds.	...	...	1,025-37	
Colophony do.	...	...	285	
Turpentine Gls.	...	...	1,388	
Deodar oil Mds.	...	...	10	
Chir and kail tar and pitch. Mds.	...	...	69	
Lime Cft.	...	...	...	255
Grass pulas and loads. No.	...	...	5,710	
Kino gum Mds.	...	...	20—0	
Harra and bahera fruits. Mds.	...	...	9—20	

[Form No. 59.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO DEPÔTS, SOLD LOCALLY, OR OTHERWISE DISPOSED OF DURING THE YEAR 1893-94—(*concluded*).

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
			ABSTRACT.						
TIMBER INCLUDING DRIFT.					Removed by purchasers from depôts.	...	214,189		
Balance at commencement of year.	...	231,472			Sold locally ...	...	30,514		
Received from the forests in depôts	...	291,096			Converted in depôts and transferred to other divisions.	...	372		
Received from the departmental collection of drift timber from the Ganges and Jumna.	...	6,786			Lost or written off ..	...	3,650		
Received from the forests and sold locally	...	30,514			Drift timber, &c., sold ...	...	3,877		
					Used by department ..	...	17,635		
Received from the Forests for departmental use.	...	1,115	...	560,983	Balance at close of year...	...	290,746	...	560,983
FIRE-WOOD AND CHARCOAL.									
Balance at commencement of year	...	197,032			Removed by purchasers from depôts.		372,872		
Received from the forests in depôts	...	291,790			Sold locally ...		17,636		
Received from the departmental collection of drift wood from the Ganges and Jumna.	...	53,775			Lost or written off ...		2,183		
					Drift wood sold ...		57,025		
					Used by department ...		3,272		
Received from the forests and sold locally.	...	17,136	...	560,233	Balance at close of year...		106,245		560,233
BAMBOOS.									
Balance at commencement of year	20				Removed by purchasers from depôts.	96,526			
Received from the forests in depôts.	177,836				Drift wood sold ..	480			
Received from the departmental collection of drift wood from the Ganges and Jumna.	480		178,336		Used by department ...	1,324			
					Balance at close of year...	80,006		178,336	
CRUDE RESIN.									
Balance at commencement of year	386—37				Removed by purchasers from depôts.	15—37			
Received from the forests in depôts	639		1,025—37		Converted in depôts and transferred to other divisions.	431			
					Balance at close of year...	579		1,025—37	
COLOPHONY.									
Received from the forests in depôts	285		285		Removed by purchasers from depôts.	278			
					Balance at close of year...	7		285	
TURPENTINE									
Balance at commencement of year	980				Removed by purchasers from depôts.	1,301			
Received from the forests in depôts	408		1,388		Converted in depôts and transferred to other divisions.	1—0			
					Used by department ...	6			
					Balance at close of year..	80		1,388	
DEODAR OIL.									
Balance at commencement of year	3				Removed by purchasers from depôts.	2			
Received from the forests in depôts	7		10		Used by department ...	4			
					Balance at close of year ..	4		10	
CHIR, KAIL, TAR AND PITCH.									
Balance at commencement of year	55—5				Converted in depôts and transferred to other divisions.	14			
Received from the forests in depôts	14		69—5		Used by department ...	16—5			
					Balance at close of year...	39		69—5	
LIME.									
Balance at commencement of year	...	235							
Received from the forests in depôts	...	20		255	Used by department ...	...	155		
					Balance at close of year...	...	100		255
GRASS PULAS AND LOADS.									
Received from the forests in depôts	5,710		5,710		Removed by purchasers from depôts.	5,710		5,710	
KINO GUM.									
Received from the forests in depôts	20—0		20—0		Converted in depôts and transferred to other divisions.	0—20			
					Balance at close of year...	19—20		20—0	
HARRA AND BAHERA FRUIT									
Balance at commencement of year	9—20		9—20		Removed by purchasers from depôts.	9—20		9—20	

DEHRA DÚN:
Dated 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 60A.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPÔTS FOR THE YEAR 1893-94.

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in Value		Remarks.
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
Timber sale depôts.			Rs			Rs.	Rs.	Rs.	
Sál kuries	...	...	...	78	127	63	63	...	
" planks	...	...	...	414	319	160	160	...	
" &c., ballis	...	...	...	200	444	55	55	..	
Tun planks	...	...	...	63	32	8	8	...	
Haldu do.	...	...	...	2	2	...	...	...	
Shisham do.	.	...	...	109	54	27	27	...	
Miscellaneous ballis	1,017	2,593	844	2,036	3,044	563	...	281	
Kiras	120	120	13	1	1	...	...	13	
Kurias	11,946	11,946	75	13,750	13,750	69	...	6	
Total ...	13,983	14,659	932	16,653	17,773	945	313	300	
Forest depôts.									
Miscellaneous ballis	1,375	2,130	375	995	1,474	249	...	126	
Kiras	322	322	30	...	...	...	...	30	
Kurias	5,978	5,978	30	750	750	4	...	26	
Total ...	7,675	8,430	435	1,745	2,224	253	...	182	
Total timber ...	21,658	23,089	1,367	18,398	19,997	1,198	313	482	
Firewood, Charcoal, and Bamboos, &c., Sale depôts.									
Firewood ... ... Mds.	740	1,480	148	34,402	47,742	8,077	7,929	...	
Charcoal ... ... "	22	220	11	...	...	...	...	11	
Bamboos ... ... Nos.	45,015	...	900	89,797	...	721	...	179	
Total ...	...	1,700	1,059	...	47,742	8,798	7,929	190	
Forest depôts.									
Firewood ... ... Mds.	745	1,490	149	30	60	4	...	145	
Charcoal ... ... "	651	6,510	326	700	7,000	280	...	46	
Bamboos ... ... Nos.	54,146	...	812	53,315	...	335	...	477	
Grass bundles ... "	61,500	...	25	93,000	...	46	21	...	
Total ...	...	8,000	1,312	...	7,060	665	21	668	
Total Firewood, &c. ...	...	25,000	2,371	...	54,802	9,463	7,950	858	
GRAND TOTAL ...	...	...	3,738	...	...	10,661	6,923	...	
TOTAL FOR 1892-93 ...	...	...	6,617	...	...	3,738	...	2,879	

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

[Form No. 60B.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF LIVE AND DEAD STOCK FOR THE YEAR 1893-94.

Description of Timber and other produce.	On hand at commencement of the year.		On hand at close of the year.		Difference in Value.		Remarks.
	No.	Value.	No.	Value	In favor of the year.	Against the year.	
		Rs.		Rs.	Rs.	Rs.	
Live Stock.							
Elephants ...	9	14,500	10	15,550	1,050	...	
Total Live stock ...	9	14,500	10	15,550	1,050	...	
Dead Stock.							
Buildings ...	227	1,42,430	244	15,304	10,614	...	
Wells ...	20	6,666	19	7,983	1,317	...	
Tools and Plant ...	12,533	23,641	10,985	26,501	2,860	...	
Office and rest-house furniture including almirns,	1,241	5,763	1,348	5,598	...	165	
Gunpowder barrels ...	1	74	...	...	...	74	
Slow match barrels ...	1	84	...	...	...	84	
Miscellaneous ...	149	116	916	393	277	...	
Total Dead Stock ...	14,172	1,78,774	13,512	1,93,519	15,068	323	
GRAND TOTAL ...	...	1,93,274	...	2,09,069	16,118	323	

Net difference in favour of the year, Rs. 15,795.

H. C. HILL,

Conservator of Forests, Central Circle,

N.-W. P. and Oudh.

DATED NAINI TAL:

The 25th September 1894.

[Form No. 60.

FOREST DEPARTMENT, OUDH CIRCLE, N.-W. PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPOTS FOR THE YEAR 1893-94.

LIBRARY

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
Timber.			Rs.			Rs.	Rs.	Rs.	
Sál logs and pieces ...	3,274	73,299	35,903	600	25,124	12,561	...	23,342	
„ Ballies	9,546	19,305	2,026	24,617	79,793	9,409	7,388	.	
„ Sleepers and scantlings	5,794	8,313	5,593	..	..	...	...	5,593	
„ Scantlings ...	32 259	16,592	16,431	31,908	16,208	15,944	...	487	
„ Mds. ...	...	...	...	4	8	3	3	...	
„ Sleepers ...	153,662	233,181	233,181	1,03,438	157,245	157,245	...	75,936	
„ Planks	178	95	84	...	..	...	...	84	
„ Battens	719	161	140	471	266	100	...	40	
„ Offcuts ... Mds.	168	336	168	...	...	...	...	168	
„ Beams	2	12	9	12	48	18	9	...	
„ Sleeper pieces ...	...	...	...	5	5	1	1	...	
„ Slabs	33	15	11	...	...	...	...	11	
„ Trusses ...	16	64	55	...	...	...	...	55	
„ Posts	18	29	25	...	...	...	...	25	
„ Doors	2	2	2	...	...	...	...	2	
„ Windows ...	3	2	2	...	...	...	...	2	
„ Chaukhats ...	5	36	31	...	...	...	...	31	
„ Mango scantlings ...	43	62	31	...	...	..	...	31	
Sissu logs	14	410	124	26	474	163	39	...	
„ Scantlings, Md. ...	...	...	...	2	5	1	1	...	
„ Ballies... ...	2	18	7	...	...	...	...	7	
Scrap wood... ...	10	19	4	...	...	...	...	4	
Gate railings ...	2	2	2	...	...	...	...	2	
Door frames ..	1	2	2	...	...	...	...	2	
Asna logs	253	8,545	1,068	221	7,966	1,026	...	42	
„ Ballies ...	31	113	4	71	202	14	10	...	
„ Battens ...	...	...	...	386	143	53	53	...	
Haldu logs	143	10,019	2,504	18	1,222	305	...	2,199	
„ Ballies ...	4	18	1	4	18	1	...	...	
Dhau Ballies ...	...	...	...	22	43	3	3	...	
Asna sleepers ...	9,056	13,693	6,846	8,404	12,715	6,357	...	489	
„ Scantlings ...	71,204	1,07,693	53,846	5	22	8	...	53,838	
„ Beams... ...	2	37	18	4	61	36	18	...	
Miscellaneous logs ...	5	138	17	11	290	45	28	...	
„ Ballies ...	1,468	4,340	158	1,257	4,112	136	...	22	
Tekui pieces, logs ..	...	...	...	3	62	15	15	...	
Large boats... ...	48	...	20,136	34	...	14,263	...	5,873	
Dugouts	186	...	4,018	137	...	2 871	...	1,147	Columns 5, 6 and 7 include drift of the Gonda Division.
* Mds. 178	287,973 —889								
Total Timber ...		4,96,551	3,82,447	1,71,654 6Mds.	3,06,032	220,578	7,563	1,69,432	
+ „ 370	287,084 557								
Drift.									
Sal logs	1	58	29	52	1,537	580	551	...	
„ Scantlings... ...	...	...	...	2	4	1	1	...	
„ Logs and pieces ...	15	373	101	...	...	...	...	101	
„ „ Ballies ...	57	573	8	1,042	3,702	1,736	1,728	...	
„ „ Beams ...	...	...	...	4	46	17	17	...	
Sissu logs and pieces ...	253	3,298	747	108	1,921	608	...	139	
„ „ Ballies ...	514	4,438	411	463	3,004	122	...	289	
Deodar logs	19	487	61	35	760	122	61	...	
„ Beams ...	1	23	6	1	23	6	...	...	
„ Ballies ...	5	16	1	5	16	1	...	...	
Tun logs	2	112	28	2	115	29	1	...	
„ Ballies	...	...	...	2	11	5	5	...	
Haldu logs	3	99	24	1	70	17	...	7	
Karma Ballies ...	...	...	...	2	24	12	12	...	
Haldu Ballies ...	4	38	1	5	41	1	...	...	
Asna logs and pieces ...	14	378	85	19	507	147	62	...	
„ Ballies ...	17	156	14	94	491	167	153	...	
Champ logs	...	...	...	7	24	12	12	...	
Plank	...	...	...	10	16	7	7	...	
Sandan log	1	24	4	1	5	1	...	3	
„ Ballies ...	5	2	1	...	...	...	...	1	
Miscellaneous logs and pieces. ...	76	1,139	83	15	324	53	...	30	
„ Ballies	100	668	20	78	387	12	...	8	

* *Vide* remarks in Form 59 Dr. side.

[Form No. 60.

FOREST DEPARTMENT, OUDH CIRCLE, N.-W. PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPÔTS FOR THE YEAR 1893-94.

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft..	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
Drift.—(contd.)			Rs,			Rs.	Rs.	Rs.	
Sál logs, poles and pieces ..	24	588	147	...	...	...	...	147	
„ planks and slab ...	...	...	...	5	8	1	1	...	
Sissu poles and pieces ...	33	351	87	...	...	...	...	87	
Asna poles and pieces ...	8	121	8	...	...	...	...	8	
Wrought timber ...	...	...	...	28	27	13	13	...	
Miscellaneous poles and pieces.	1	5	1	...	...	...	...	1	
Rapti drift	405	588	287	...	...	...	...	287	
Gandak	84	687	377	...	...	...	...	377	
Asna beam	...	...	...	4	40	12	12	...	
Firewood	...	...	...	7	14	7	7	...	
Canoes	3	...	15	25	227	113	98	...	
Asna scantlings ...	...	...	...	1	3	...	...	...	
Sál sleepers	...	...	...	10	15	7	7	...	
Dugouts	...	...	...	13	...	176	176	...	
Total Drift ... Mds.	1,645 *—340 +18 1,305 18	14,222	2,546	2,034 7 Mds.	13,371	3,985	2,924	1,485	
Firewood and charcoal.									
Fire wood & charcoal, Mds	544,046	10,87,556	55,978	6,86,597	1,373,195	77,097	21,119	...	5,23,484 Mds. omitted in previous returns.
Minor produce.									
Minor produce { No.	1,173	...	...	...	...	...	...	...	
Minor produce { Mds.	21,761	536	13,447	17,430	...	10,516	...	2,931	268 Mds. transferred to fuel.
Baib ...									
Mahwa flower Mds.									
Bamboos.									
Bamboos ...	...	...	...	33.366	...	2,045	2,045	...	
ABSTRACT.									
Timber { No.	287,084	...	..	171,654	...	...	...	...	
Timber { Mds.	557	496,551	3,82,447	6	306,032	220,578	7,563	1,69,432	
Drift { No.	1,305	...	..	2,034	...	...	..	..	
Drift { Mds	18	14 222	2,546	7	13,371	3,985	2 924	1,485	
Fire wood and charcoal. { No.	...	...	...	...	...	...	...	...	
Fire wood and charcoal. { Mds	544,046	1,087,556	55,978	686,597	1,373,195	77,097	21,119	...	
Minor produce { No.	1,173	...	...	...	...	...	...	...	
Minor produce { Mds.	21,761	536	13,447	17,430	...	10,516	...	2,931	
Bamboos { No.	...	...	...	33,366	...	...	...	...	
Bamboos { Mds	...	...	...	...	...	2,045	2,045	...	
Total ... { Mds.	2,89,562 5,66,382	... 1,598,865	... 4,54,418	207,054 704,040	... 1,692,598	... 314,221	... 33,651	... 1,73,848	

Vide remarks in Form 59 in Dr. side.

Net difference against the year, Rs. 1,40,197.

[From No. 60A.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPÔTS FOR THE YEAR 1893-94.

Discription of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
			Rs.			Rs.	Rs.	Rs.	
Direction Division.									
Dead stock ...	115	...	1,059	189	...	1,132	73	...	
Pilibhit Division.									
Live stock ...	1	...	1,219	1	...	1,098	...	...	
Dead stock ...	1,482	...	1,439	1,481	...	1,727	...	...	
Buildings ...	31	...	7,850	36	...	8,170	...	...	
Total ...	1,514	...	10,508	1,518	...	10,995	487	...	
Kheri Division.									
Live stock ...	1	...	1,500	3	...	6,400	...	...	Rs. 47,289 were twice entered in this form for 1892-93.
Dead stock ...	48,558	...	10,933	10,967	...	12,147	...	...	
Buildings ...	54	...	47,289	55	...	49,203	...	...	
Total ...	43,613	...	59,722	11,025	...	67,750	8,028	...	
Bahraich Division.									
Live stock ...	...	...	...	10	...	2,335	...	...	
Dead stock ...	1,986	...	4,701	2,258	...	4,774	...	...	
Buildings ...	33	...	46,428	32	...	46,000	...	...	One office building pulled down.
Total ...	2,019	...	51,129	2,300	...	53,109	1,980	...	
Gonda Division.									
Live stock ...	5	...	2,050	1	...	2,000	...	...	
Dead stock ...	2,83,793	...	49,891	1,20,755	...	48,883	...	...	
Buildings ...	48	...	29,113	52	...	29,778	...	...	
Total ...	2,83,846	...	81,054	1,20,808	...	80,661	...	393	
Gorakhpur Division.									
Live stock ...	2	...	2,340	2	...	2,340	...	...	
Dead stock ...	1,525	...	5,594	1,706	...	6,291	...	...	
Buildings ...	33	...	15,877	37	...	28,031	...	...	
Total ...	1,560	...	23,811	1,745	...	36,662	12,851	...	
ABSTRACT OF THE CIRCLE.									
Live stock ...	9	...	7,109	17	...	14,173	7,064	...	* Less Rs. 5,008 for deterioration.
Dead stock ...	3,32,459	...	73,617	1,37,326	...	74,954	1,337	...	
Buildings ...	199	...	146,557	212	...	1,61,182	14,625	...	
	...	Deduct ...	*5,008	...	Deduct ...	†5,000	*8	...	† Less Rs. 5,000 for deterioration.
Total ...	3,32,667	...	222,275	137,555	...	2,45,309	23,034	...	

NAINI TAL:
The 26th September 1894.

S. EARDLEY-WILMOT.
Conservator of Forests, Oudh Circle.

[Form No. 60.

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPÔTS FOR THE FOREST YEAR 1893-94.

Description of timber or other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
			Rs.			Rs.	Rs.	Rs.	
Dehra Dun Division.									
Tun, &c., logs	15	135	15	...	...	...	...	15	
Sal scantlings	10	12	3	10	12	1	...	2	
Rollers	1	15	2	1	15	2	...	...	
Ballas and tors	1,192	1,747	410	689	1,036	255	...	155	
Miscellaneous pieces...	54	79	14	42	126	40	26	...	
Firewood	...	101,821	3,258	...	25,184	441	...	2,817	
Ditto (drift)	...	4,000	180	...	...	...	...	180	
Bamboos	...	...	...	80,000	...	1,200	1,200	...	
Shisham and tun logs (drift)	...	...	...	185	1,904	300	300	...	
Sleepers, karis, &c., do.	...	...	...	101	206	60	60	...	
Total ...	...	...	3,882	...	...	2,209	1,586	3,169	
Saháranpur Division.									
Sal and kukat tors, ballas, ballis ...	52	15	13	...	...	...	...	13	
Chir karis	54	89	13	...	...	...	...	13	
Khair karis	56	21	14	...	...	...	...	14	
Logs, pieces, &c. (drift)	...	...	...	58	421	50	50	...	
Firewood	...	784	39	...	790	36	...	3	
Charcoal	3,722	...	37	5,426½	...	27	...	10	
Bamboos	20	...	...	6	...	...	...	...	
Harra fruit	5—20	...	6	...	...	...	...	6	
Bahera do.	4—0	...	4	...	...	...	...	4	
Total ...	...	...	126	...	...	113	50	63	
Jaunsar Division.									
Broad-gauge deodar sleepers	3,110	10,858	6,220	13,984	48,161	27,868	21,648	...	
Metre ditto ditto	113,871	176,975	1,70,806	115,086	179,109	1,72,629	1,823	...	
Deodar, fir, kail, tun, fancy wood and miscellaneous, including drift	28,957	41,526	25,337	43,582	59,756	38,135	12,798	...	
Firewood and charcoal	...	89,244	16,954	...	78,099	14,839	...	2,115	
Do. loads	...	1,090	102	...	1,626	152	50	...	
Pine resin	...	...	1,741	...	...	2,583	842	...	
Turpentine	...	...	1,769	...	...	161	...	1,608	
Colophony	...	...	...	...	...	29	29	...	
Chir and kail tar	...	...	167	...	...	118	...	49	
Deodar oil	...	...	60	...	...	82	22	...	
Lime	...	235	87	...	100	37	...	50	
Total ...	...	...	2,23,243	...	...	2,56,633	37,212	3,822	
Grand Total ...	...	...	2,27,251	...	...	2,59,045	38,848	7,054	

Net difference in favor of the year, Rs. 31,794.

DEHRA DUN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 60A.

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ABSTRACT SHOWING THE VALUE OF LIVE AND DEAD STOCK FOR THE FOREST YEAR 1893-94.

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
Direction Division.			Rs.			Rs.	Rs.	Rs.	
Surveying and other instruments ...	...	...	...	1	...	65	65	..	
Other furniture	57	...	750	57	...	700	...	50	
Tents and shouldaries	10	...	699	8	...	620	...	79	
Buildings and building materials ...	2	...	2,300	2	...	1,500	...	800	
Miscellaneous	29	...	258	31	...	302	44	...	
Elephant	1	...	2,500	1	...	2,500	...	...	
Total ...	...	...	6,507	...	...	5,687	109	929	
Dehra Dún Division.									
Surveying and other instruments ...	64	...	416	68	...	419	3	...	
Tools	1,846	...	1,306	1,979	...	1,414	108	...	
Other furniture	425	...	973	458	...	998	25	...	
Tents	12	...	231	12	...	265	34	...	
Buildings and building materials ...	89	...	19,790	89	...	19,499	...	291	
Miscellaneous	651	...	1,114	1,202	...	1,396	282	...	
Elephant	1	...	1,444	1	...	2,200	756	...	
Total ...	...	...	25,274	...	...	26,191	1,208	291	
Saháranpur Division.									
Surveying and other instruments ...	17	...	266	19	...	279	13	...	
Machinery	4	...	38	4	...	38	...	...	
Tools	885	...	565	931	...	622	57	...	
Office furniture	210	...	1,392	216	...	1,491	99	...	
Tents	6	...	344	9	...	500	156	...	
Buildings and building materials ...	60	...	14,042	58	...	15,178	1,136	...	
Miscellaneous	392	...	1,151	450	...	1,265	114	...	
Elephant	1	...	2,300	1	...	2,300	...	...	
Buffaloes	1	...	12	3	...	37	25	...	
Total ...	...	...	20,110	...	...	21,710	1,600	...	
Jaunsár Division.									
Surveying and other instruments ...	58	...	651	85	...	708	57	...	
Machinery	10	...	138	11	...	172	34	...	
Tools	2,550	...	3,073	2,523	...	2,997	...	76	
Office furniture	73	...	559	73	...	553	...	6	
Tents	8	...	252	10	...	422	170	...	
Buildings and building materials ...	443	...	43,980	454	...	46,327	2,347	...	
Miscellaneous	286	...	504	266	...	507	3	...	
Total ...	...	...	49,157	...	...	51,686	2,611	82	
Grand Total ...	...	...	1,01,048	...	...	1,05,274	5,528	1,302	

Net difference in favor of the year Rs. 4,226.

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 61.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ANNUAL SUMMARY OF REVENUE OF THE DIFFERENT DIVISIONS DURING THE FOREST YEAR 1893-94.

Budget heads.	Direction.	Naini Tal Division.	Kumaun Division.	Garhwál Division.	Ganges Division.	Bundelkhand Division.	Total.
REVENUE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the forests by Government agency.							
a. Timber ...	...	...	...	1,901	...	1,217	3,118
b. Firewood and charcoal ...	...	51,488	...	...	1,841	680	54,009
c. Bamboos ...	...	...	...	...	...	4,921	4,921
d. Sandal-wood ...	...	...	...	...	...	...	...
e. Grass and other minor produce ...	...	...	5	...	...	367	372
Total I ...	...	51,488	5	1,901	1,841	7,185	62,420
II.—Timber and other produce removed from the forests by consumers or purchasers							
a Timber ...	...	9,833	89,116	1,47,259	30,981	1,684	2,78,873
b. Firewood and charcoal ...	...	9,238	5,716	2,739	2,321	1,046	21,060
c. Bamboos ...	...	69	4,616	18,745	1,06,688	1,406	1,31,524
d. Grazing and fodder grass ...	...	2,845	7,415	4,734	6,817	9,109	30,920
e. Other minor produce ...	...	4,130	26,972	9,133	6,239	3,894	50,368
Total II ...	...	26,115	1,33,835	1,82,610	1,53,046	17,139	5,12,745
III.—Drift and waif wood and confiscated forest produce.	...	...	21	989	53	12	1,075
IV.—Revenue from forests not managed by Government—							
a. Duty on foreign timber and other forest produce ...	...	...	...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...	...	...	...
Total A IV ...	...	...	...	...	...	...	...
V.—Miscellaneous.							
a. Fines and forfeitures ...	...	...	...	68	100	...	168
b. Refunds ...	13	...	11	...	8	2	34
c. Other sources ...	...	559	528	1,333	2,132	883	5,435
Total V ..	13	559	539	1,401	2,240	885	5,637
GRAND TOTAL REVENUE ...	13	78,162	1,34,400	1,86,901	1,57,180	25,221	5,81,877

[Form No. 61.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ANNUAL SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS DURING THE FOREST YEAR 1893-94.

Budget heads.	Direction.	Naini Tal Division.	Kumaun Division.	Garhwál Division.	Ganges Division.	Bundelkhand Division.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forests by Government agency—							
a. Timber	...	...	...	130	8	403	541
b. Firewood and charcoal	...	28,699	...	...	2,455	559	31,713
c. Bamboos	...	...	...	...	...	3,037	3,037
d. Sandal-wood	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	...	...	...	136	136
Total A I ...	...	28,699	...	130	2,463	4,135	35,427
II.—Timber and other produce removed from the forests by consumers or purchasers	...	2,481	8,060	9,758	7,433	2,180	29,912
III.—Drift and waif wood and confiscated forest produce	...	...	...	...	...	...	...
IV.—Revenue from forests not managed by Government—							
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...	...	...	...
Total A IV ...	...	...	...	...	...	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government	...	...	...	...	...	...	...
VI.—Live Stock, Stores, Tools and Plant—							
a. Purchase of cattle	...	...	...	...	...	357	357
b. Feed and keep of cattle	3,450	...	...	...	...	...	3,450
c. Purchase of stores, tools and plant	1,179	...	781	2,745	432	...	5,138
Total A VI ...	552	1,309	292	1,650	340	707	4,850
	5,181	1,309	1,073	4,395	773	707	13,438
VII.—Communications and Buildings—							
a. Roads and bridges	...	2,365	7,396	16,444	4,140	1,159	31,504
b. Buildings	185	3,789	2,945	7,565	2,722	563	17,769
c. Other works	30	633	578	315	160	21	1,737
Total A VII ...	215	6 787	10,919	24,324	7,022	1,743	51,010
VIII.—Organization, improvement and extension of forests—							
a. Demarcation	...	131	103	198	91	515	1,038
b. Cost of settlements; compensation for land and rights	766	...	...	...	...	...	766
c. Surveys	...	336	101	194	...	...	631
d. Working plans	2 657	12	...	...	...	...	2,669
e. Sowing and planting	...	1,857	355	228	75	46	2,561
f. Protection from fire	...	1,747	7,246	9,654	4,641	1,308	24,596
g. Other works	...	554	710	1,007	326	7	2,604
Total A VIII ...	3,423	4 637	8,515	11,281	5,133	1,876	34,865
IX.—Miscellaneous—							
a. Refunds	...	...	239	122	26	...	387
b. Law charges	2	...	...	...	...	...	2
c. Other charges	37	70	309	290	112	12	830
Total A IX ...	39	70	548	412	138	12	1,219
Total A—Conservancy and Works ...	8,858	43,983	29,115	50,300	22,962	11,010	1,66,228

[Form No. 61.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ANNUAL SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS DURING THE FOREST YEAR 1893-94.

Budget heads.	Direction.	Naini Tal Division.	Kumaun Division.	Garhwál Division.	Ganges Division.	Bundelkhand Division.	Total.	Remarks.
B.—ESTABLISHMENTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
I.—SALARIES—								
a. Conservators	16,893	...	...	...	...	...	16,893	
b. Superior officers	11,052	6,500	7,298	11,050	10,917	6,866	53,683	
c. Subordinate forest and depôt establishments...	3,707	4,277	6,303	8,353	6,935	3,848	33,423	
d. Office establishments	4,661	1,262	2,519	2,508	2,369	1,401	14,720	
e. Deputation and special allowances	1,595	...	—3	90	...	...	1,682	
f. Exchange compensation allowances	3,041	728	772	1,324	1,211	525	7,601	
Total B. I ...	40,949	12,767	16,889	23,325	21,432	12,640	1,28,002	
II.—TRAVELLING ALLOWANCES—								
a. Conservators	1,612	...	...	22	...	...	1,634	
b. Superior officers	2,062	933	949	1,403	704	520	6,571	
c. Subordinate forest and depôt establishments...	675	561	1,176	1,218	1,172	641	5,443	
d. Office establishments	378	73	726	684	629	74	2,564	
Total B. II ...	4,727	1,567	2,851	3,327	2,505	1,235	16,212	
III.—CONTINGENCIES—								
a. Stationery	37	94	189	163	84	68	635	
b. Carriage of tents and records	1,337	358	335	398	415	246	3,089	
c. Rents, rates and taxes	124	118	14	12	20	265	553	
d. Pay of police guards	300	...	...	...	...	...	300	
e. Official postage	413	138	42	102	76	246	1,017	
f. Sundries	398	188	224	428	158	227	1,623	
Total B. III ...	2,609	896	804	1,103	753	1,052	7,217	
TOTAL B.—ESTABLISHMENTS ...	48,285	15,230	20,544	27,755	24,690	14,927	1,51,431	
GRAND TOTAL OF EXPENDITURE ...	57,143	59,213	49,659	78,055	47,652	25,937	3,17,659	
SURPLUS OR DEFICIT ...	—57,130	+18,949	+84,741	+1,08,846	+1,09,528	—716	2,64,218	

CALCUTTA:
The 1st September 1894.

J. C. BOSE,
Assistant Comptroller-General (Forests).

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH. [FORM No 61.

CONSOLIDATED SUMMARY OF REVENUE OF THE DIFFERENT DIVISIONS DURING THE FOREST YEAR 1893-94.

Budget heads.	Direction division.	Kheri. division.	Babraich. division.	Gonda. division.	Gorakhpur. division.	Pilibhit. division.	Total.
REVENUE.							
I.—Timber and other produce removed from the Forests by Government agency—							
a. Timber	...	1,67,736	938	2,218	18,983	91	1,89,966
b. Firewood and charcoal	...	19,079	5,310	12,325	76,465	1,694	1,14,873
c. Bamboos	...	...	...	...	10	...	10
d. Sandalwood	...	...	...	...	...	...	...
e. Grass and other minor produce	...	2,676	10,448	2,009	...	20	15,153
Total I	...	1,89,491	16,696	16,552	95,458	1,805	3,20,002
II.—Timber and other produce removed from the Forests by consumers or purchasers—							
a. Timber	...	1,34,335	73,567	17,862	1,040	144	2,26,948
b. Firewood and charcoal	...	555	1,261	1,576	4,020	785	8,197
c. Bamboos	...	...	...	...	19	...	19
d. Grazing and fodder grass	...	15,410	21,825	7,625	5,242	722	50,824
e. Other minor produce	...	6,215	9,231	8,239	18,315	2,813	44,873
f. Forest stamps	...	...	...	...	...	...	...
g. Other items	...	...	...	...	...	...	...
Total II	...	1,56,515	1,05,884	35,362	28,636	4,464	3,30,861
III.—Drift and Waif wood and confiscated Forest Produce	...	1,506	4,084	384	5,217	48	11,239
Total III	...	1,506	4,084	384	5,217	48	11,239
IV.—Revenue from Forests not managed by Government—							
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...
V.—Miscellaneous—							
a. Fines and forfeitures	...	...	416	...	3	10	429
b. Refunds	7	193	270	2	257	2	731
c. Other sources	99	1,958	6,976	900	3,203	19	13,155
Total V	106	2,151	7,662	902	3,463	31	14,315
Grand Total, Revenue	106	3,49,663	1,34,326	53,200	1,32,774	6,348	6,76,417

Calcutta.
Dated, 29th August 1894.

I. C. BOSE,
Assistant Comptroller-General (Forests).

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

CONSOLIDATED SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS DURING THE FOREST YEAR 1893-94.

Budget Heads.	Direction division.	Kheri division.	Bahraich division.	Gonda division.	Gorakhpur division.	Pilibhít division.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the Forests by Government Agency—							
a. Timber	...	6,978	941	1,445	4,658	6	14,028
b. Firewood and charcoal	...	11,788	4,458	7,557	35,572	1,525	60,900
c. Bamboos	...	...	852	.	44	...	896
d. Sandalwood	...	...	...	...	...	...	...
e. Grass and other minor produce	...	48	3,001	2,129	...	...	5,178
Total A. I	...	18,814	9,252	11,131	40,274	1,531	81,002
II.—Timber and other produce removed from the Forests by consumers or purchasers—	...	4,636	2,729	1,686	1,485	955	11,491
Total A. II	...	4,636	2,729	1,686	1,485	955	11,491
III.—Drift and waif wood and confiscated Forest produce	...	920	1,646	339	2,133	..	5,038
Total A. III	...	920	1,646	339	2,133	...	5,038
IV.—Revenue from Forests not managed by Government—							
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	..
b. Revenue from shared and private forests	...	...	...	...	...	...	...
Total A. IV	...	...	...	...	...	...	...
V.—Rent of leased Forests and payments to Shareholders in Forests managed by Government	...	...	...	...	...	..	...
Total A. V	...	...	...	...	...	...	...
VI.—Live Stock, Stores, Tools and Plant—							
a. Purchase of cattle	...	2,700	2,200	...	...	...	4,900
b. Feed and keep of cattle	330	761	870	613	979	474	4,027
c. Purchase of stores, tools and plant	66	927	972	258	696	405	3,324
Total A. VI	396	4,388	4,042	871	1,675	879	12,251
VII.—Communications and buildings—							
a. Roads and bridges	...	5,251	3,040	898	1,819	783	11,791
b. Buildings	...	8,710	2,995	2,988	7,730	1,190	23,613
c. Other works	...	437	1,570	1,131	140	57	3,335
Total A. VII	...	14,398	7,605	5,017	9,689	2,030	38,739

VIII.—Organization, improvement and extension of Forests—							
a. Demarcation	...	2,227	2,575	115	929	1,183	6,979
b. Cost of Settlements; compensation for land and rights	...	...	...	...	4 545	...	4,545
c. Surveys	...	10,866	...	704	...	879	12,449
d. Working plans	2,009	3	47	8	...	2	2,069
e. Sowing and planting	...	...	...	18	22		40
f. Protection from fire	...	9,687	5,079	709	4,423	1,961	21,859
g. Other works	...	537	3,185	537	629	568	5,456
Total A VIII	2,009	23,320	10,886	2,091	10,548	4,543	53,397
IX.—Miscellaneous—							
a. Refunds	4	471	37	43	9[illegible]	50	704
b. Law charges	...	...	...	...	2[illegible]	1[illegible]	21
c. Others charges	16	1,810	4,078	64	2,28[illegible]	127	8,383
Total A. IX	20	2,281	4,115	107	2,40[illegible]	178	9,108
Total A.—Conservancy and Works	2,425	68,757	40,27[illegible]	21,242	68,211	10,116	2,11,026
B.—ESTABLISHMENTS.							
I.—Salaries—							
a. Conservators	16,200	...	...	...	...	...	16,200
b. Superior officers	1,880	9,828	11,511	4,450	8,299	4,353	40,321
c. Subordinate forest and depôt establishments	...	7,146	6,150	2,717	4,882	1,241	22,136
d. Office establishments	3,178	4,263	2,705	2,274	3,816	1,324	17,560
e. Deputation and special allowances	...	1,349	...	595	...	...	1,944
f. Exchange compensation allowance	1,987	1,007	985	...	971	213	5,163
Total B. I	23,245	23,593	21,351	10,036	17,968	7,131	1,03,324
II.—Travelling Allowances—							
a Conservators	1,340	...	...	...	...	...	1,340
b. Superior officers	605	2,104	1,959	792	1,909	1,062	8,431
c. Subordinate forest and depot establishments	...	1,087	1,286	428	534	68	3,403
d. Office establishments	283	223	396	146	118	335	1,501
Total B. II	2,228	3,414	3,641	1,366	2,561	1,465	14 675
III.—Contingencies—							
a. Stationery	31	140	98	55	59	23	406
b. Carriage of tents and records	414	253	217	150	399	371	1,804
c. Rents, rates and taxes	201	56	1	300	...	100	658
d. Pay of police guards	...	120	120	156	...	...	396
e. Official postage	912	252	242	112	150	85	1,753
f. Sundries	697	925	667	429	394	153	3,265
Total B. III	2,255	1,746	1,345	1,202	1,002	732	8,282
Total B.—Establishments	27,728	28,753	26,337	12,604	21,531	9,328	1,26,281
Grand Total of Expenditure	30,153	97,510	66,612	33,846	89,742	19,444	3,37,307
Surplus or Deficit	−30,047	+2,52,153	+67,714	+19,354	+43,032	—13,096	+3,39,110

Calcutta:
Dated, 29th August 1894.

I. C. BOSE,
Assistant Comptroller-General (Forests).

Annual Form No. 61—(*Prescribed.*)

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

SURVEY OF REVENUE OF THE DIFFERENT DIVISIONS, FOR THE FOREST YEAR, 1893-94.

Budget Head.	Direction.	Dehra Dún Division.	Saháranpur Division.	Jaunsár Division.	Total.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.					
I.—Timber and other produce removed from the Forests by Government agency—					
a. Timber	...	812	868	1,90,197	1,91,877
b. Firewood and charcoal	...	2,890	60	35,498	38,448
c. Bamboos	...	806	599	3	1,408
d. Sandal-wood	...	...	...	...	...
e. Grass and other minor produce ...	...	...	9	4,329	4,338
Total ...	...	4,508	1,536	2,30,027	2,36,071
II.—Timber and other produce removed from the forests by consumers or purchasers—					
a. Timber	...	29,899	1,014	36,416	67,329
b. Firewood and charcoal	...	2,671	3,675	388	6,734
c. Bamboos	...	6,090	2,417	23	9,430
d. Grazing and fodder grass	...	8,110	12,257	2,487	22,854
e. Other minor produce	...	6,473	12,950	739	20,162
Total II ...	...	54,143	32,313	40,053	1,26,509
III.—Drift and waif wood and confiscated forest produce	...	1,818	1,133	910	3,861
Total III ...	...	1,818	1,133	910	3,861
IV.—Revenue from forest not managed by Government—					
a. Duty on foreign timber and other forest produce	...	...	...	7,734	7,734
b. Revenue from shared and private forests...	...	.	...	...	...
Total IV ...	...	...	...	7,734	7,734
V.—Miscellaneous—					
a. Fines and forfeitures	...	...	8	2	10
b. Refunds	5	...	73	18	96
c. Other sources	158	626	919	2,447	4,150
Total V ...	163	626	1,000	2,467	4,256
GRAND TOTAL, REVENUE ...	163	61,095	35,982	2,81,191	3,78,431

CALCUTTA:
The 1st September 1894.

I. C. BOSE,
Assistant Comptroller-General (Forests).

Annual Form No. 61—*(Prescribed.)*

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS, FOR THE FOREST YEAR 1893-94.

Budget Heads.	Direction.	Dehra Dún Division.	Sahárunpur Division.	Jaunsár Division.	Total.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the Forest by Government Agency—					
a. Timber	....	497	103	77,338	78,018
b. Firewood and charcoal	...	2,193	52	32,348	34,593
c. Bamboos	...	1,574	368	...	1,942
d. Sandal-wood	...	...	...	...	...
e. Grass and other minor produce... ...	67	...	216	3,398	3,681
Total A. I ...	67	4,264	799	1,13,104	1,18,234
II.—Timber and other produce removed from the forests by consumers or puchasers ...	...	1,176	1,879	99	3,154
Total A. II ...	...	1,176	1,879	99	3,154
III.—Drift and waif wood and confiscated forest produce	...	1,099	519	397	2,015
Total A. III ...	...	1,099	519	397	2,015
IV.—Revenue from forests not managed by Government—					
a. Duty on timber and other forest produce ...	...	...	...	1,987	1,987
b. Revenue from shared and private forests ...	...	...	...	...	...
Total A. IV ...	...	...	...	1,987	1,987
V.—Rent of leased forests and payments to shareholders in forests managed by Government	...	...	...	11,150	11,150
Total A. V ...	...	...	...	11,150	11,150
VI.—Live stock, stores, tools and plant—					
a. Purchase of cattle	...	2,200	23	...	2,225
b. Feed and keep of cattle	561	468	619	...	1,648
c. Purchase of stores, tools and plant ...	153	590	414	526	1,683
Total A. VI ...	714	3,258	1,058	526	5,556
VII.—Communications and buildings—					
a. Roads and bridges	...	3,330	1,416	10,669	15,415
b. Buildings	102	2,916	2,756	6,659	12,433
c. Other works	...	394	1,266	211	1,871
Total A. VII ...	102	6,640	5,438	17,539	29,719
VIII.—Organization, improvement and extension of forests—					
a. Demarcation	...	1,095	776	2,016	3,887
b. Cost of settlements; compensation for land and rights	...	184	...	84	268
c. Surveys	...	...	2	78	80
d. Working-plans	...	3	14	...	17
e. Sowing and planting	22	5,211	1,040	2,714	8,987
f. Protection from fire	...	3,136	2,133	1,729	6,998
g. Other works	...	4,463	419	1,218	6,100
Total A. VIII ...	22	14,092	4,384	7,839	26,337
IX.—Miscellaneous—					
a. Refunds	...	60	3	292	355
b. Law charges	...	1	43	...	44
c. Other charges	143	508	100	681	1,432
Total A. IX ...	143	569	146	973	1,831
TOTAL A.—CONSERVANCY AND WORKS ...	1,048	31,098	14,223	1,53,614	1,99,983

Annual Form No. 61—(*Prescribed.*)

FOREST DEPARTMENT, SCHOOL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

CONSOLIDATED SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS, DURING THE FOREST YEAR 1893-94.

Budget Heads.	Direction.	Dehra Dún Division.	Saháranpur Division.	Jaunsár Division.	Total.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Total A.—Conservancy and Works,	1,048	31,098	14,223	1,53,614	1,99,983
B.—ESTABLISHMENTS.					
I.—Salaries—					
a. Conservators	21,864	...	...	...	21,864
b. Superior officers	2,147	7,657	5,854	11,801	27,459
c. Subordinate forest and depôt establishments,	...	7,994	6,652	8,141	22,787
d. Office establishments	3,962	2,294	1,608	2,526	10,390
e. Deputation and special allowances ...	1,569	...	...	...	1,569
f. Exchange compensation allowance ...	2,828	741	711	1,126	5,406
Total B. I ...	32,370	18,686	14,825	23,594	89,475
II.—Travelling allowances—					
a. Conservators	842	...	...	...	842
b. Superior officers	805	658	1,282	1,814	4,559
c. Subordinate forest and depôt establishments	...	1,184	579	1,119	2,882
d. Office establishments	49	89	109	91	338
Total B. II ...	1,696	1,931	1,970	3,024	8,621
III.—Contingencies—					
a. Stationery	7	120	141	100	368
b. Carriage of tents and records	458	412	343	710	1,923
c. Rents, rates and taxes	...	360	17	33	410
d. Pay of police guards	...	...	...	...	...
e. Official postage	115	98	130	117	460
f. Sundries	288	377	238	486	1,389
Total B. III ...	868	1,367	869	1,446	4,550
TOTAL B.—ESTABLISHMENTS ...	34,934	21,984	17,664	28,064	1,02,646
GRAND TOTAL OF EXPENDITURE ...	35,982	53,082	31,827	1,81,678	3,02,629
SURPLUS OR DEFICIT ...	−35,819	+8,013	+4,095	+99,513	+75,802

CALCUTTA:
The 1st September 1894.

I. C. BOSE,
Assistant Comptroller General (Forests).

[Form No. 62.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT CURRENT FOR THE FOREST YEAR 1893-94.

Dr.

	Rs. a. p.	Rs a. p.
To Cash Balance		143 13 2
„ VIII.—Assessed Taxes—		
Income Tax—Deductions from salaries		2,271 15 7
„ Revenue as per Annual Summary, Form No 61		5,81,876 12 9
„ Service Funds—		
Civil Fund—Ordinary, Bengal	...	
„ Additional, Bengal	...	
Military Fund—Bengal	243 0 0	
„ „ Madras	...	
„ Orphan Fund—Bengal	210 0 0	
Uncovenanted Service Family Pension Fund—Bengal ..	921 7 6	
General Family Pension Fund	...	
Hindu Family Annuity Fund	...	
		1,374 7 6
„ Deposits		...
„ Forest Cash Remittances—Local—		3,519 2 4
Forest cheques drawn	3,08,067 1 2	
Inter-Divisional Transfers	4,425 0 0	
		3,12,492 1 2
„ Advances recoverable		60,331 9 6
„ Suspense		
„ Account Current (other Governments)—		
Remittances from Government of India	4,617 15 6	...
Do. Punjab	828 15 4	
Do. Bengal	274 12 0	
		5,721 10 10
„ Inter-Departmental Transfers—		
Public Works Department Ordinary Branches ...	412 15 0	
Military Department	...	
Civil Department—		
Jail	...	
Mathematical Instrument Department	246 11 0	
Miscellaneous	446 9 1	1,106 3 1
Total ...	...	9,68,837 11 11

Cr.

	Rs. a. p	Rs a. p.
By EXPENDITURE AS PER ANNUAL SUMMARY, FORM No. 61.		3,17,659 6 0
„ Deposits		3,216 0 0
„ Forest Cash Remittances—Local—		
Remittances to Treasuries ...	5,30,999 14 5	
Inter-Divisional Transfers	4,450 0 0	
		5,35,449 14 5
„ Advances Recoverable		60,374 2 7
„ Suspense		...
„ Account Current (other Governments)—		
Remittances to the Government of India ...		23 0 3
„ Inter-Departmental Transfers—		
Public Works Department Ordinary Branches	5,727 4 0	
Military Department, Bengal... ...	43,347 10 8	
Civil Department	.	
Miscellaneous	1,785 15 7	
		50,860 14 3
Cash Balance		1,254 6 5
Total ...		9,68,837 11 11

CALCUTTA,
The 1st September 1894.

J. C. BOSE,
Asst. Comptroller General (Forests).

Form No. 62.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ACCOUNT CURRENT FOR THE FOREST YEAR 1893-94.

Cr.

	Rs. a. p.	Rs. a. p.
To Cash Balance	...	...
VIII.—Assessed Taxes—		
Income Tax—Deductions from salaries	...	1,781 9 11
To Revenue as per Annual Summary, Form No. 61	...	6,76,417 3 4
„ *Service Funds—*		
Civil Fund—Ordinary, Bengal	...	...
„ Additional, Bengal	...	...
Military Fund—Bengal	...	...
„ „ Madras	...	...
„ Orphan Fund, Bengal	...	...
Uncovenanted Service Family Pension Fund—Bengal ...	1,539 1 6	...
General Family Pension Fund	...	...
Hindu Family Annuity Fund	...	...
		1,539 1 6
„ *Deposits*	...	1,101 9 5
„ *Forest Cash Remittances—Local—*		
Forest cheques drawn	3,11,567 4 3	...
Inter-Divisional Transfers	468 4 0	...
		3,12,035 8 3
„ *Advances recoverable*	...	2,59,615 0 3
Suspense	...	100 0 0
„ *Account Current (other Governments)—*		
Remittances from Government of India	14,001 10 0	...
„ „ Bengal	3,794 0 1	
		17,795 10 1
„ *Inter-Departmental Transfers—*		
Public Works Department, Bengal and North-Western Ry.	8,109 8 0	...
„ „ Ordinary Branches ...	87 4 0	...
Military Department	...	...
Civil Department—		
Jail	...	...
Mathematical Instrument Department	331 2 0	...
Miscellaneous	232 8 9	8,760 6 9
Total ...		12,79,146 1 6

Dr.

	Rs. a. p.	Rs. a. p.
By Expenditure as per Annual Summary, Form No. 61 ...	...	3,37,306 15 7
„ *Deposits*	...	581 14 4
„ *Forest Cash Remittances—Local—*		
Remittances to Treasuries	4,95,589 4 2	...
Inter-Divisional Transfers	626 10 0	...
		4,96,215 14 2
„ *Advances recoverable*	...	2,51,622 8 4
„ *Suspense*	...	100 0 0
„ *Account Current (other Governments)—*		
Remittances to the Government of India	5,156 15 1	...
„ Bengal	2,414 8 0	...
		7,571 7 1
„ *Inter-Departmental Transfers—*		
Public Works Department, Bengal and North-Western Ry.,	24,694 5 10	...
„ „ Rohilkhand and Kumaun Ry.,	74,688 14 4	...
„ „ Rajputana and Malwa Ry. ...	78,089 0 0	...
„ „ Ordinary Branches ...	115 10 0	...
Military Department	...	...
Civil Department	...	...
Jails	8,123 7 10	...
Mathematical Instrument Department	36 0 0	...
		1,85,747 6 0
Cash Balance	...	...
Total ...		12,79,146 1 6

CALCUTTA :
Dated, the 29th August 1894.

I. C. BOSE,
Assistant Comptroller-General (Forests).

[Form No. 62

FOREST DEPARTMENT, SCHOOL CIRCLE.

ACCOUNT CURRENT FOR THE FOREST YEAR 1893-94.

Dr.

	Rs. a. p	Rs. a. p
To Cash Balance	...	5 0 8
„ VIII.—Assessed taxes—		
Income-Tax—Deductions from salaries.	...	1,624 9 10
„ Revenue as per Annual Summary, Form No. 61.	...	3,78,431 9 10
„ Service Funds—		
Civil Fund—Ordinary, Bengal...	...	
„ Additional, Bengal ...	...	
Military Fund—Bengal ...	...	
„ „ Madras ...	...	
„ Orphan Fund, Bengal ...	...	
Uncovenanted Service Family Pension Fund, Bengal.	26 14 0	
General Family Pension Fund ...	...	
Hindu Family Annuity Fund .	...	26 14 0
„ Deposits	...	3,753 11 9
„ Forest Cash Remittances—Local—		
Forests cheques drawn ...	4,70,152 13 6	
Inter Divisional Transfers ...	43 5 9	4,70,196 3 3
„ Advances recoverable ...	.	1,66,170 3 4
Suspense	...	
„ Account Current (other Governments)—		
Remittance from Government of India.	4,020 3 6	
Ditto Bengal ...	36 1 5	
Ditto Bombay ...	850 0 0	4,906 4 11
„ Inter-Departmental Transfers—		
Public Works Department, Ordinary Branches.	652 3 0	
„ „ State Railways.	0 6 10	
Military Department, Bengal ...	6 3 5	
Civil Department—		
Jail	...	
Mathematical Instrument Department.	139 0 0	
Survey of India	63 8 0	
Miscellaneous	124 0 6	985 5 9
Total ...	...	10,26,099 15 4

Cr.

	Rs. a. p.	Rs. a. p.
By Expenditure as per Annual Summary, Form No 61.	...	3,02,629 5 1
„ Deposits	...	2,446 11 9
„ Forest Cash Remittances—Local—		
Remittances to Treasuries ...	1,61,212 15 11	
Inter-Divisional Transfers ...	25 0 0	1,61,237 15 11
„ Advances Recoverable ...	...	1,64,657 13 8
„ Suspense	.	
„ Account Current (other Governments)—		
Remittance to the Government of Punjab.	11,542 7 0	
„ „ of India.	1,72,795 6 1	
„ „ Central Provinces.	1,239 13 7	1,85,578 10 8
Berar Suspense Account ..	...	151 8 6
„ Inter-Departmental Transfers—		
Public Works Department, Ordinary Branches.	5,561 3 8	
„ „ State Railways,	1,73,809 2 7	1,79,370 6 3
Military Department, Bengal—	29,706 6 6	
Civil Department ...	6 0 0	29,712 6 6
Cash Balance		12 1 0
Total ...	...	10,26,099 15 4

Calcutta;
The 1st September 1894.

J. C. BOSE,
Asst. Comptroller-General (Forests).

[Form No. 63.

FOREST DEPARTMENT, CENTRAL CIRCLE, N.-W. PROVINCES AND OUDH.

REVENUE RECEIVED AND OUTSTANDINGS ON ACCOUNT OF REVENUE DURING THE FOREST YEAR 1893 94.

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the Department at end of year.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Direction	...	...	13 5 9	13 5 9	13 5 9	...
Naini Tal	...	6,667 7 5	80,186 12 3	86,854 3 8	78,161 14 2	8,692 5 6
Kumaun	...	...	1,34,400 1 0	1,34,400 1 0	1,34,400 1 0	...
Garhwál	...	...	1,86,901 1 1	1,86,901 1 1	1,86,901 1 1	...
Ganges	...	236 4 0	1,59,004 9 4	1,59,240 13 4	1,57,179 12 4	2,061 1 0
Bundelkhand	...	7 0 0	27,729 6 5	27,736 6 5	25,220 10 5	2,515 12 0
	Total ...	6,910 11 5	5,88,235 3 10	5,95,145 15 3	5,81,876 12 9	13,269 2 6

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

[Form No. 63.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

REVENUE RECEIVED AND OUTSTANDINGS ON ACCOUNT OF REVENUE DURING 1893-94.

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the Department at end of year.	Remarks.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Pilibhit	Timber, grazing and other forest produce, &c.	215 7 3	6,320 0 3	6,535 7 6	6,348 0 0	154 4 3	Written off—
					(a) 33 3 3		(a) G. O. No. $\frac{846F}{653A}$, dated 12th Oct. 1893.
Kheri	... ...	18,135 9 10	3,89,938 8 6	4,08,074 2 4	3,49,663 0 0	58,311 14 7	
					(b) 53 13 6		(b) G. O. No. $\frac{194F}{650A}$, dated 11th April 1894
					(c) 45 6 3		(c) G. O. No. $\frac{300F}{718A}$, dated 22nd May 1894.
Bahraich	... ...	11,491 10 6	1,35,617 14 11	1,47,099 9 5	1,34,326 0 0	10,144 2 2	
					(d) 113 0 0		(d) G. O. No. $\frac{260F}{715A}$, dated 8th May 1894.
					(e) 139 13 0		(e) G. O. No. $\frac{213F}{710A}$, dated 18th April 1894.
					(f) 253 9 0		(f) G. O. No. $\frac{944F}{606A}$, dated 13th Nov. 1893.
					(g) 2,123 1 3		(g) G. O. No. $\frac{734F}{680A}$, dated 25th April 1893
Gonda	... .	2,021 7 9	53,679 4 6	55,100 12 3	53,200 0 0	380 4 6	
					(h) 1,520 7 9		(h) G. O. No. $\frac{711F}{642A}$, dated 17th August 1893.
Gorakhpur	... ...	10,679 12 5	1,29,891 5 9	1,40,571 2 2	1,32,774 0 0	2,534 9 9	
					(i) 5,262 8 5		(i) G. O. No. $\frac{791F}{595A}$, dated 19th Sept. 1893
Direction	Miscellaneous revenue ...	...	106 0 0	106 0 0	106 0 0	...	
	Total ...	42,533 15 9	7,14,953 1 11	7,57,487 1 8	6,76,417 0 0 + 9,544 14 5	71,525 3 3	

NAINI TAL:
Dated, the 20th September 1894

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

(over)

[Annual Form No. 63.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

REVENUE RECEIVED AND OUTSTANDINGS ON ACCOUNT OF REVENUE DURING THE FOREST YEAR 1893-94.

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the Department at end of year.	Remarks.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p	
Direction	Sale proceeds of timber and other forest produce	...	162 10 0	162 10 0	162 10 0	...	
Dehra Dún .. ,,, ...	Do. ...	11,122 12 9	58,346 7 3	69,469 4 0	*61,185 9 9	8,283 10 3	* Includes Rs. 90-6-9 written off under G. O. Nos $\frac{690}{26a}$, dated 7th August 1883 and $\frac{376f}{73a}$, dated 21st June 1894.
Saháranpur	Do. ...	967 12 0	38,839 1 9	39,806 13 9	(a)36,555 7 7	3,251 6 2	(a) Includes Rs. 573-3-1 written off under G. O. Nos. $\frac{611f}{709a}$, dated 13th July 1893, No. $\frac{211f}{709a}$, dated 18th April 1894, and No. $\frac{371f}{709a}$, dated 18th June 1894.
Jaunsár ,,, ... ,,, ...	Do, ...	21,244 13 10	2,94,991 3 4	3,16,236 1 2	2,81,191 8 4	35,044 8 10	
	Total ...	33,335 6 7	3,92,339 6 4	4,25,674 12 11	3,79,095 3 8	46,579 9 3	

DEHRA DÚN:
The 17th September 1894.

J. S GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

[Form No. 64.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

OUTSTANDINGS AND LIABILITIES ON ACCOUNT OF CONTRACTORS AND DISBURSERS FOR THE FOREST YEAR 1893-94.

Division.	Department debtor.			Department creditor.			Balance due.	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (Outstandings).	By department (Liabilities).
1	2	3	4	5	6	7	8	9
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Direction	...	4,550 15 7	4,550 15 7	386 0 0	4,600 0 0	4,986 0 0	435 0 5	...
Naini Tal	...	16,268 12 0	16,268 12 0	678 0 10	20,029 2 11	20,707 3 9	4,438 7 9	...
Kumaun	...	7,207 3 3	7,207 3 3	4,003 13 6	4,763 0 6	8,766 14 0	1,559 10 9	...
Garhwâl	...	10,541 11 2	10,541 11 2	5,652 2 7	5,960 7 11	11,612 10 6	1,070 15 4	...
Ganges	...	13,820 15 1	13,820 15 1	842 1 3	17,282 3 4	18,124 4 7	4,303 5 6	...
Bundelkhand	...	7,942 0 5	7,942 0 5	2,974 9 8	7,739 3 11	10,713 13 7	2,771 13 2	...
Total ...	...	60,331 9 6	60,331 9 6	14,536 11 10	60,374 2 7	74,910 14 5	14,579 4 11	...

CALCUTTA:
The 1st September 1894.

J. C. BOSE,
Assistant Comptroller General (Forests).

[Form No. 64.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

OUTSTANDINGS AND LIABILITIES ON ACCOUNT OF CONTRACTORS AND DISBURSERS FOR THE FOREST YEAR 1893-94.

Division.	Department Debtor.			Department Creditor.			Balance due.		Remarks.
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To Department (outstandings).	By Department (liabilities).	
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p.	Rs. a. p.	
Direction	...	5,178 4 11	5,178 4 11	6 9 10	5,219 3 10	5,225 13 8	47 8 9	...	
Kheri	227 12 1	67,095 4 6	67,323 0 7	18,463 13 1	61,232 6 11	79,696 4 0	12,373 12 5	0 9 0	
Bahraich	1 2 0	62,780 8 4	62,781 10 4	8,086 0 7	67,451 1 9	75,537 2 4	12,755 8 0	...	
Gonda	...	33,742 5 6	33,742 5 6	3,524 0 4	35,352 9 5	38,876 9 9	5,134 4 3	...	
Gorakhpur	...	78,118 6 10	78,118 6 10	17,363 3 1	70,134 15 11	87,498 3 0	9,379 12 2	...	
Pilibhít	...	12,700 2 2	12,700 2 2	976 7 9	12,232 2 6	13,208 10 3	508 8 1	...	
Total ...	228 14 1	2,59,615 0 3	2,59,843 14 4	48,420 2 8	2,51,622 8 4	3,00,042 11 0	40,199 5 8	0 9 0	

CALCUTTA:
Dated, the 29th August 1894.

I. C. BOSE,
Asst. Comptroller-General (Forests).

[Form No. 64.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

OUTSTANDINGS AND LIABILITIES ON ACCOUNT OF CONTRACTORS AND DISBURSERS FOR THE FOREST YEAR 1893-94.

Division.	Department Debtor.			Department Creditor.			Balance Due.	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To Department (Liabilities).	By Department (Liabilities).
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Direction	6 8 0	2,563 7 6	2,569 15 6	24 5 4	2,599 5 5	2,623 10 9	53 11 3	...
Dehra Dún	...	43,985 7 7	43,985 7 7	2,960 4 0	42,463 0 7	45,423 4 7	1,437 13 0	...
Saháranpur	...	15,648 3 10	15,648 3 10	2,013 7 7	15,606 3 9	17,619 11 4	1,971 7 6	...
Jaunsár	...	1,03,973 0 5	1,03,973 0 5	26,806 0 8	1,03,989 3 11	1,30,795 4 7	26,822 4 2	...
Total ...	6 8 0	1,66,170 3 4	1,66,176 11 4	31,804 1 7	1,64,657 13 8	1,96,461 15 3	30,285 3 11	...

CALCUTTA:
The 1st September 1894.

I. C. BOSE,
Asst. Comptroller General (Forests).

[Form No. 65.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

FINANCIAL RESULTS OF THE YEAR 1893-94.

Division.	Timber and other produce removed from the Forests by Government agency.		Other revenue.		Formation, protection and improvement of Forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Direction ...	...	...	13	...	...	13	...	Direction Division charges amounting to Rs. 57,143 distributed amongst Divisions as follows :—
Naini Tal ...	51,488	38,480	26,674	11,620	14,413	78,162	64,513	Naini Tal ... ... 5 300 Kumaun ... ... 18,000 Garhwál .. ... 19,000 Ganges, ... 133,000 Bundelkhand, ... 1,843 Total ... 57,143
Kumaun ...	5	...	1,34,395	33,601	34,058	1,34,400	67,659	
Garhwál ...	1,901	130	1,85,000	47,701	49,224	1,86,901	97,055	
Ganges ...	1,841	2,463	1,55,339	30,244	27,945	1,57,180	60,652	
Bundelkhand ...	7,185	6,001	18,036	8,987	12,792	25,221	27,780	
Total ...	62,420	47,074	5,19,457	1,32,153	1,38,432	5,81,877	3,17,659	

NAINI TAL :
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

[Form No. 65.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH WESTERN PROVINCES AND OUDH.

FINANCIAL RESULTS OF THE YEAR 1893-94.

Division.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Direction	...	138	106	139	2,148	106	2,425	Direction Division B. Charges amounting to Rs. 27,728, distributed as follows :— Rs.
Pilibhít	1,805	6,637	4,543	7,214	8,674	6,348	22,525	Pilibhít ... 3,080
Kheri	1,89,491	39,315	1,60,172	26,056	39,328	3,49,663	1,04,699	Kheri ... 7,189
Bahraich	16,696	27,078	1,17,630	22,202	24,522	1,34,326	73,802	Bahraich ... 7,189
Gonda	16,552	19,396	36,648	10,290	8,267	53,200	37,953	Gonda ... 4,108
Gorakhpur	95,458	55,249	37,316	18,592	22,062	1,32,774	95,903	Gorakhpur... 6,162
Total ...	3,20,002	1,47,813	3,56,415	84,493	1,05,001	6,76,417	3,37,307	Total ... 27,728

The details have been worked out as under :—

1.—*Timber and other produce removed by Government agency*

$$A.\left(I+\frac{VI}{3}+\frac{VII}{3}+\frac{IX}{3}\right)+\frac{3B}{8}+\frac{3\times\text{Direction quota of B. charges.}}{8}$$

II.—Other revenue.

$$A.\left(II+III+\frac{VI}{3}+\frac{VII}{3}+\frac{IX}{3}\right)+\frac{3B}{8}+\frac{3\times\text{Direction quota of B. charges.}}{8}$$

III.—Formation, improvement and protection of forests.

$$A.\left(\frac{VI}{3}+\frac{VII}{3}+\frac{VIII}{1}+\frac{IX}{3}\right)+\frac{B}{4}+\frac{\text{Direction quota of B. charges.}}{4}$$

NAINI TAL:
Dated 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

[Form No. 65.

FOREST DEPARTMENT, SCHOOL CIRCLE, N.-W. PROVINCES AND OUDH.

FINANCIAL RESULTS OF THE FOREST YEAR, 1893-94.

Division.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Dehra Dùn	5,708	8,844	55,428	15,866	37,368	61,136	62,078
Sahâranpur	2,669	4,104	33,354	15,812	20,965	36,023	40,882
Jaunsâr	2,30,937	1,54,447	50,335	11,020	34,202	2,81,272	1,99,669
Total ...	2,39,314	1,67,395	1,39,117	42,699	92,535	3,78,431	3,02,629

DEHRA DÚN,
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle,
N.-W. P. and Oudh.

APPENDIX A.

[Para. 21.

FOREST DEPARTMENT, CENTRAL CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

ABSTRACT RECORD OF THE GROWTH OF SAL IN SPECIMEN PLOTS IN THE SUB-HIMALAYAN FORESTS.

Year.	Kumaun Forest Division, plots and year of first observation.					Garhwál Forest Division, plots and year of first observation.								Ganges Forest Division, plots and year of first observation.			
	Lakhmanmandi.		Sunman Thapla.		North Khonani, 1887-88.	Amtanola.		Bani Nagal, 1887-88.		Dikala, 1887-88.		Domunda, 1887-88.		Andher Majhera, 1889-90.		Chaukham, 1889-90.	
	1884-85.	1881-82.	1884-85.	1881-82		1884-85.	1881-82.										
	Thinned area.	Un-thinned area.	Thinned area.	Un-thinned area.	Unthinned area.	Thinned area.	Un-thinned area.	Thinned area.	Un-thinned area.	Thinned area.	Un-thinned area.	Thinned area.	Un-thinned area.	Thinned area.	Un-thinned area.	Thinned area.	Un-thinned area.
	Acres and number of trees.																
	2-114	½-63	2-115	½-55	1-74	2-111	½-65	2-131	½-76	2-154	½-186	2-157	½-160	2-179	½-95	2-229	½-98
	Average number of trees per acre.																
	57	126	57½	110	74	55½	130	65½	152	77	372	78½	320	89½	190	114½	196
	Average increase in girth per tree per annum in inches, deduced from measurements in first year of observation and those made in 1893-94.																
1893-94	·80	·23	·65	·38	·23	·78	·35	·82	·61	1·28	·55	·76	·23	·54	·44	·61	·36
Number of years or measurements on which based.	10	13	10	13	7	10	13	7	7	7	7	7	7	5	5	5	5

DATED NAINI TAL:
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

APPENDIX B.

Statement of Unexecuted Works in Plans of Operations for 1893-94.

Works prescribed—not done.	Remarks.
(i).—Naini Tal Division.	
Preparation of a scheme for working part of the Airadeo Forests for the Charcoal supply of Ránikhet. The Oak Forest of Lamgodah to be made a Working Circle for this supply; the method of treatment to be fixed upon and prescriptions for increasing the forest growth drawn up, such as dibbling in acorns and if possible closing a part of the forest with the sanction of Government.	The scheme has not yet been drawn up for want of time.
Roads.	
(*i*).—Dedhura to Mangoli	Postponed for want of funds which were required on other more urgent works.
(*ii*).—Dolmar ridge path	
(*iii*).—Ninglat ridge path	
(*iv*).—Siuni lodge path	
Buildings.	
Enlargement of Shamkhet and China chaukies	Begun but not finished at the close of the year.
Demarcation.	
Insertion of upright stones between existing pillars in Bhatronj and Airadeo.	Not done owing to the resettlement of the Forest as Reserves.
As much work will be done in making 2′ paths to clearly define the boundaries in the Ránikhet forest as can be with gangs kept on for the purpose during the hot weather; these gangs having further the purpose of being at hand to extinguish fires when they occur.	Not done—will be done in 1894-95.
(ii).—Kumaun Division.	
Fellings.	
Selection fellings in the Nindhaur Forests increased from 1,000 to 1,206 trees. The Kumia sales reduced from 900 to 500 trees.	None were sold in Kumia as purchasers objected to the trees.
Roads.	
Nindhaur Sarra Valley road	Postponed for want of funds, but estimate drawn up and alignment marked out.
Buildings.	
(*i*).—Sanani rest-house	Work commenced but unavoidably postponed owing to want of labour. Will be completed in 1894-95.
(*ii*).—Dechauri range headquarters	
(*iii*).—Outhouses at Matiabanj and Shiala ...	

APPENDIX B.

STATEMENT ON UNEXECUTED WORKS IN PLANS OF OPERATIONS FOR 1893-94.—(*concluded.*)

Works prescribed—not done.	Remarks.
(ii).—Kumaun Division.—(*concluded.*)	
Sowing and Planting.	
Sowings of Haldu and Khair to be made in accordance with the prescriptions of the Working Plan.	Done for the most part. Will be finished in 1894-95.
Fire Protection.	
Fire line along North of the Naghan will be widened to 50 feet.	Not finished for want of sufficient labour. Will be completed in 1894-95.
(iii).—Garhwal Division.	
Roads.	
Haldua-Jalahan road	Partly done, postponed in favour of more urgent work till 1894-95.
Buildings.	
Forest Rest-house at Kanda	Nearly finished. Will be completed in 1894-95.
Ranger's House at Kanda	Ditto ditto ditto.
Forest Guard's quarters at Lohachaur	Postponed for want of funds.
Ditto ditto at Paterpani	The building of these quarters has been postponed for further consideration.
Revenue Depôt at Choiparao	Not done yet for want of funds.
(iv).—Ganges Division.	
Buildings.	
Fencing Kunaun, Chila, Laldhang and other Rest-houses ...	Not done. There was no cheap condemned wire available.
Revenue chaukis at Haldukhata and Kauria ...	Not done. Fresh estimates and plans being prepared.
Addition to Rest-house and building of outhouses at Lansdowne.	Partly done. Will be completed in 1894-95.
Office building and quarters for office hands at Lansdowne ...	Not done. Question of quarters for office hands being reconsidered.
Roads.	
Dhura to Choki Sera	Not done. It is proposed to abandon this project in favour of a more useful path.
Fire Conservancy.	
Widening fire line south of Hazara from Suka Sot, along Kalapahar to Bhikhan	Not done. On reconsideration the work was not considered necessary.
(v).—Bundelkhand Division.	
Buildings.	
Chauri Rest-house	Not quite completed, will be finished in 1894-95.
Demarcation.	
Repairs of existing boundaries and new stone pillars to be erected in the Moth Pargana.	Boundaries all repaired; but the new stone pillars not yet put up, pending forests being surveyed by the Forest Survey Department.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

NAINI TAL;
The 25th September 1894.

APPENDIX C.

Forest Department, Central Circle, North-Western Provinces and Oudh.

LIST OF BUILDINGS OF WHICH THE COST EXCEEDS Rs. 200.

Division.		No.	Name of building.	Station or site.	Remarks.
			(a) On which no rent is paid.		
DIRECTION.		1	Forest Office.	Naini Tal.	This building also accommodates the Kumaun and Garhwál offices.
NAINI TAL.	NAINI TAL SUB-DIVISION.	1	Forest office	Naini Tal ...	
		2	Rest-house	Kilberry.	
		3	Ditto	Ranche.	
		4	Ditto	Ninglat.	
		5	Ditto	Jhaludeo.	
		6	Ditto	Kalona.	
		7	Forester's quarters	Naini Tal.	
		8	Ditto	Manora	
		9	Charcoal godown	Naini Tal.	
		10	Fuel shed	Kailakhan.	
	RANIKHET SUB-DIVISION.	11	Office	Chaubattia.	
		12	Rest-house	Ditto.	
		13	Ditto	Dalmoti.	
		14	Ditto	Bellekh.	
		15	Ditto	Siuni.	
		16	Ranger's quarters	Chaubattia.	
		17	Forest guard's quarters	Deolikhet.	
		18	Forester's quarters	Gailekh.	
		19	Ditto	Siuni.	
		20	Forest guard's quarters	Majkhali.	
		21	Fuel shed	Ranikhet.	
		22	Ditto	Standing camp.	
		23	Ditto	Chaubattia.	
KUMAUN ...		1	Forest Office	Haldwani ...	Part house and office.
		2	Ditto	Ditto ...	Conservator's office during winter.
		3	Rest-house	Dechauri.	
		4	Ditto	Chorgalia.	
		5	Ditto	Horal.	
		6	Ditto	Aonlakhera.	
		7	Ditto	Dhaudur chour.	
		8	Ditto	Danda Kathauti.	
		9	Ditto	Shiala.	
		10	Ditto	Mathiabanj.	
		11	Ditto	Kaladeo.	
		12	Ditto	Sainapani.	
		13	Ditto	Jaunla Sal.	
		14	Ditto	Shiuntra.	
		15	Ranger's quarters	Dechauri.	
		16	Ditto	Fatehpur.	
		17	Ditto	Haldwani.	
		18	Ditto	Dholpokhra.	
		19	Ditto	Chorgalia.	
		20	Ditto	Jaunla Sal.	
		21	Forest guard's quarters	Aonlakhera.	
		22	Ditto	Jubileeganj.	
		23	Ditto	Pilapani.	
		24	Ditto	Sarkhet.	
		25	Ditto	Solakhal.	
		26	Ditto	Kholgarh.	
		27	Revenue depôt	Chandani.	
		28	Ditto	Chunakhan.	
		29	Ditto	Fatehpur.	
		30	Ditto and store house ...	Haldwani.	
		31	Ditto	Horai.	
		32	Ditto	Chorgalia.	
		33	Ditto	Ransali.	
		34	Ditto	Sudlimat.	
		35	Ditto	Kilpura.	
		36	Ditto	Garapu.	
		37	Ditto	Lalkua.	
		38	Ditto	Tanakpur.	
		39	Store house	Chorgalia.	
GARHWÁL ...		1	Forest office and store room ...	Ramnagar.	
		2	Elephant shed	Ditto.	
		3	Ditto	Jhirna.	
		4	Rest-house	Dhikala.	
		5	Ditto (new)	Kalagarh.	
		6	Ditto (old)	Ditto.	

APPENDIX C—(*concluded*).

LIST OF BUILDINGS OF WHICH THE COST EXCEEDS Rs. 200.

Division.	No.	Name of building.	Station or site.	Remarks.
		(*a*) *On which no rent is paid*—(concluded.)		
GARHWAL—(*concld.*)	7	Rest-house	Boxar.	
	8	Ditto	Jhirna.	
	9	Ditto	Amangarh.	
	10	Ditto	Maldhan.	
	11	Ditto	Dhela.	
	12	Ditto	Ramnagar.	
	13	Ditto	Bijrani.	
	14	Ditto	Mohan.	
	15	Ditto	Gairal.	
	16	Ditto	Garjia.	
	17	Ditto	Jalikhan.	
	18	Ditto	Dhungalgarh.	
	19	Ditto	Bhalon.	
	20	Ditto	Kanda.	
	21	Inspection hut.	Khushkundli.	
	22	Ranger's quarters	Sidhkhal.	
	23	Ditto	Kanda.	
	24	Forester's quarters	Dhikala.	
	25	Ditto and Revenue Depot ...	Amangarh.	
	*26	Ranger's quarters and ditto ...	Ramnagar.	
	27	Ranger's quarters	Bijrani.	
	28	Ditto	Mohan.	
	29	Forest guard's quarters	Mugnukhal.	
	30	Ditto	Tumaria.	
	31	Ditto	Boxar.	
	32	Ditto	Ganjpani.	
	33	Ditto	Jamnagwar.	
	34	Ditto	Khinanauli.	
	35	Ditto	Sarapduli.	
	36	Ditto	Melani.	
	37	Ditto	Chaknakhal.	
	38	Ditto	Sultanchour.	
	39	Ditto	Kumaria.	
	40	Ditto	Chimtakhal.	
	41	Ditto	Dhungalgarh.	
	42	Ditto	Shikaridera.	
	43	Revenue Depôt	Kalagarh.	
	44	Ditto	Jhirna.	
	45	Ditto	Patrampur.	
	46	Ditto	Haldua.	
	47	Ditto	Laldhang.	
	48	Ditto	Dhela.	
	49	Ditto	Ramnagar.	
	50	Ditto	Amdanda.	
	51	Revenue Check Depôt	Jalaban.	
GANGES ...	1	Rest-house	Kunaun.	
	2	Ditto	Chila.	
	3	Ditto	Laldhang.	
	4	Ditto	Haldukhata.	
	5	Ditto	Kotedwara.	
	6	Ditto	Sanch.	
	7	Ditto	Kolnchaor.	
	8	Ditto	Chaukhamb.	
	9	Ditto	Hathikund.	
	10	Ditto	Morghatti.	
	11	Ditto	Pakhrao.	
	12	Ditto	Halduparao.	
	13	Ranger's quarters	Chila.	
	14	Ditto	Sanch.	
	15	Revenue Depôt	Laldhang.	
	16	Ditto	Shampur.	
	17	Forest guard's quarters	Halduparao.	
	18	Ditto	Kolochaor.	
	19	Ditto	Dhimki.	
	20	Ditto	Barkhet.	
BUNDELKHAND ...	1	Rest-house	Dhukwan.	
	2	Ditto	Deogarh.	
	3	Ditto	Morari.	
	4	Ditto	Manikpur.	
	5	Ditto	Kulua.	
		(*b*) *On which rent is paid.*		
GANGES ...	1	Forest house	Lansdowne.	

DATED NAINI TAL;
The 25th September 1894.

H. C. HILL,
Conservator of Forests, Central Circle, N.-W. P. and Oudh.

APPENDIX I.

Forest Department, Oudh Circle, North-Western Provinces and Oudh.

List of Buildings on which the cost exceeds Rs. 200.

Division.	No.	Name of Building.	Station or site.	Remarks.
		(a) On which no rent is paid.		
Direction	1	Forest office	Lucknow	I Class.
Pilibhít	1	Rest-house and outhouses, &c.	Mustafabad	I Class. House in good repair.
	2	Ditto ditto	Ditto.	III Class These buildings are merely grass sheds with mud walls and floors.
	3	Ditto ditto	Chuka Dhaya	III Do.
	4	Ditto ditto	Mahofe	III Do.
	5	Ditto ditto	Burgad	III Do
	6	Ditto ditto	Barahi	III Do.
	7	Ditto ditto	Nawadia	III Do.
	8	Ditto ditto	Harripur	III Do.
	9	Range officer's quarters	Nawadia	These are inferior buildings of earth and thatch.
	10	Puranpur chowki	Puranpur	
Kheri	1	Rest-house and out-offices	Dudua	I Class. Rest-house in good order.
	2	Ditto ditto	Salukapur	I Do. Ditto.
	3	Ditto ditto	Fort	I Do.
	4	Ditto ditto	Bilrayian	I Do.
	5	Ditto ditto	Chandan chowki	I Do.
	6	Ditto ditto	Naurangabad	I Do.
	7	Ditto ditto	Gola	I Do.
	8	Ditto ditto	Mudha	I Do.
	9	Ditto ditto	Bankatti	II Do.
	10	Ditto ditto	Sathiana	II Do.
	11	Ditto ditto	Sonaripur	II Do.
	12	Ditto ditto	Changa Nala	II Do.
	13	Ditto ditto	Shitaba	III Do.
	14	Ditto ditto	Mailani	II Do.
	15	Ditto ditto	Kukra	III Do. These houses are of mud and thatch, in bad order.
	16	Ditto ditto	Mauranía	III Do.
	17	Ditto ditto	Palnapur	III Do.
	18	Ditto ditto	Kishanpur	III Do. Thatched and in poor condition.
	19	Ditto ditto	Bhira	III Do. House in very bad order.
	20	Forest office	Lakhimpur	I Do. Office in good order.
	21	Ditto.	Dudua	II Do. Office in bad condition.
	22	Rangers' quarters	Do.	

Kheri.	23	Rangers' quarters	Gola.		
	24	Rangers quarters and office	Mudha.		
	25	Saw machinery shed	Sathiana.		
	26	Dispensary	Dudua.		
Bahraich	1	Rest-house	Nishangara	I Class.	House in good order.
	2	Ditto.	Bankatwa	I Do.	Ditto.
	3	Ditto.	Gulra	I Do.	Ditto.
	4	Ditto.	Motipur	II Do.	Ditto.
	5	Ditto.	Sujouli	II Do.	Ditto.
	6	Ditto.	Chakia	II Do.	Ditto.
	7	Ditto.	Sobelwa	II Do.	Ditto.
	8	Ditto.	Bhach Kahí	II Do.	Ditto.
	9	Ditto.	Murtiha	III Class.	House in ruins.
	10	Ditto.	Abdullaganj	III Do.	Ditto.
	11	Ditto.	Kakardari	III Do.	Ditto.
	12	Ditto.	Ponsonbyganj	III Do.	Ditto.
	13	Ditto.	Bhartha	III Class.	House in bad order.
	14	Forest office	Motipur		
	15	Ditto.	Chakia		
	16	Ditto.	Bankatwa		
Gonda	1	Rest-house and out-office	Chandanpur	I Class.	House in good order.
	2	Do.	Janakpur	I Do.	Ditto.
	3	Do.	Sungarha	II Do.	Ditto.
	4	Do.	Ramgarh	II Do.	Ditto.
	5	Do.	Nandmarah	III Do.	Ditto.
	6	Do.	Barchwa	III Do.	Ditto.
	7	Ranger's house	Ramgarh		
Gorakhpur	1	Rest-house and out-offices	Ramgarh	II Class.	House in good order.
	2	Ditto.	Suarbar	II Do.	Ditto.
	3	Ditto.	Pharenda	II Do.	Ditto.
	4	Ditto.	Chaumukha	II Do.	Ditto.
	5	Ditto.	Lachmipur	II Do.	Ditto.

APPENDIX I.

FOREST DEPARTMENT, OUDH CIRCLE, NORTH-WESTERN PROVINCES AND OUDH.

LIST OF BUILDINGS OF WHICH THE COST EXCEEDS Rs. 200.

Division.	No.	Name of building.	Station or site.	Remarks.
Gorakhpur.	6	Rest-house	Madhaulia	II Class. House in good order.
	7	Rest-house and out-offices	Banspar	III Do. Do, Ditto
	8	Ditto ditto.	Pakri	III Do. Do. in fair condition.
	9	Rest-house	Sakhni	III Do. Do. Ditto
	10	Ditto	Daibhar	III Do. Do. in bad do.
	11	Rest-house and out-offices	Nichlawal	III Do. Do. in good do.
	12	Ditto ditto	Chowk	III Do. Do. in bad do.
	13	Forest office	Gorakhpur	
	14	Range office	Choumukha	
	15	Ranger's quarters	Ramgarh	
	16	Ditto	Banspur	
	17	Ditto	Choumukha	
	18	Ditto	Lachmipur	
	19	Ditto	Chawk	
	20	Revenue Chauki	Tilkonia	
	21	Ditto	Barhaj	
	22	Ditto	Biraghat	
	23	Best chowki	Ramgarh	
		(b)—On which rent is realized.		
	1	Forest-house	Kheri	With necessary out-offices.
	2	Do.	Bahraich	With necessary out-offices.
	3	Do.	Gorakhpur	With necessary out-offices.

NAINI TAL:
The 20th September 1894.

S. EARDLEY-WILMOT,
Conservator of Forests, Oudh Circle.

APPENDIX A.

Forest Department, School Circle, North-Western Provinces and Oudh.

List of buildings on which the cost exceeds Rs. 200.

Division.	Number.	Name of building.	Station or site.	Remarks.
Direction ...	1	Carpenters Workshop and Store ...	Dehra Dún	At the Forest School.
	2	Shed for potting plants ...	Ditto	
Dehra Dún ...	1	Rest house	Rámpur Mandi	On the Jumna.
	2	Ditto	Karwapani	W. Dún, foot of Siwaliks.
	3	Ditto	Ramgarh	E. Dún, Ditto.
	4	Ditto	Phandowála	
	5	Ditto	Lachiwála	On the Hardwár=Dehra road.
	6	Ditto	Kanarau	
	7	Ditto	Parduni	
	8	Range Head quarters	Dharmawála	On Timli Pass road.
	9	Ditto	Jhajra	On Dehra=Chakrata road.
	10	Ditto	Phandowála	E. Dún Siwaliks.
	11	Ditto	Lachiwála	On Hardwár road.
	12	Ditto	Barkot	E. Dún, foot of Himalaya.
	13	Ditto	Hardwár	
	14	Ranger's rest house	Thano	E. Dún, foot of Himalaya.
	15	Forest guards quarters	Asarori	On Mohand Pass.
	16	Ditto	Bulawála	E. Dún.
	17	Ditto	Dhaulani	E. Dún Hardwár road.
	18	Ditto	Kharkhari	Suburb of Hardwár.
Saháranpur ...	1	Forest Office	Dehra Dún	
	2	Rest house	Kasumri	W. Range on the Khara=Hardwár road.
	3	Ditto	Dholkhand	C. Range on the Khara=Hardwár road.
	4	Ditto	Beribara	C. Range on the Khara=Hardwár road.
	5	Ditto	Pathri	Near Railway Station of same name on Oudh and Rohilkhand Railway.
	6	Range Head quarters	Barkala	W. Range.
	7	Ditto	Dholkhand	C. "
	8	Ditto	Ranipur	E. "
	9	Forest guards quarters ...	Badshahibágh	W. "
	10	Ditto	Sháhjehánpur	W. "
	11	Ditto	Mohand	W. "
	12	Ditto	Andheri	C. "
	13	Ditto	Beribara	C. "
	14	Ditto	Rugawála	E. "
	15	Ditto	Chirak	E. "
	16	Ditto	Maiapur	E. " suburb of Hardwár.

APPENDIX A.—(continued.)

Forest Department, School Circle, North-Western Provinces and Oudh.

List of buildings on which the cost exceeds Rs. 200.

Division.	Number.	Name of building.	Station or site.	Remarks.
Jaunsár ...	1	Forest Office	Chakrata	Rent paid by Divisional Officer.
	2	Forest Divisional Head quarters' house	Ditto	
	3	Rest house	Deoban	3 miles from Chakrata.
	4	Ditto	Bodyar	On to the W. of the Simla road on spurs.
	5	Ditto	Koti Kanásar	
	6	Ditto	Konain	
	7	Ditto	Mundali	16 miles from Chakrata near Simla road.
	8	Ditto	Lokar	On Simla road.
	9	Ditto	Kathian	Ditto 26 miles.
	10	Ditto	Thadiar	On the Tons River.
	11	Ditto	Deota	In Tehri Garhwál leased forests.
	12	Ditto	Asno	
	13	Ditto	Lambatách	
	14	Ditto	Chachpur	In Raiengarh.
	15	Rest hut	Balcha	Tehri Garhwál leased forests.
	16	Ditto	Datmir	In Upper Tons.
	17	Ditto	Murach	Near Simla road, W. of Tons.
	18	Ditto	Bamsu	In Bamsu Valley, Tehri Garhwál.
	19	Ranger's quarters	Deoban	
	20	Ditto	Konain	
	21	Ditto	Mundali	
	22	Ditto	Tiuni	On the Lower Tons.
	23	Ditto	Thadiar	
	24	Ditto	Bamsu	
	25	Ditto	Deota	
	26	Ditto	Lambatach	
	27	Ditto	Manjni	Near Lambátách.
	28	Ditto	Sansog	W. of the Tons.
	29	Ditto	Dakhpathar	On Jumna River.
	30	Ditto	Chakrata	
	31	Forest guards quarter's... ...	Deoban	
	32	Ditto	Bodyar	
	33	Ditto	Koti Kanasar	
	34	Ditto	Konain	
	35	Ditto	Mundali	
	36	Ditto	Kathián	
	37	Ditto	Koti Bawar	

APPENDIX A.—(concluded).

Forest Department, School Circle, North-Western Provinces and Oudh.

List of buildings on which the cost exceeds Rs. 200.

Division.	Number.	Name of building.	Station or site.	Remarks.
Jaunsár ...	38	Forest guards' quarters ...	Garsari	
	39	Ditto	Thadiar	
	40	Ditto	Deota	
	41	Ditto	Naintwar	
	42	Ditto	Shalra	
	43	Ditto	Gokul	
	44	Ditto	Kalsi	
	45	Ditto	Dakhpathar	
	46	Ditto	Bogriwála	Head works of W. Jamna Canal.
	47	Old Office	Deoban	
	48	Ditto	Deota	
	49	Students' quarters	Deoban	
	50	Ditto	Mundali	
	51	Ditto	Kathian	
	52	Ditto	Thadiar	
	53	Ditto	Deota	
	54	Ditto	Lambatach	
	55	Karbir Fuel shed	Chakrata	
	56	Timber shed	Ditto	
	57	Fuel shed and godown ...	Ditto	
	58	Parade Fuel shed	Ditto	
	59	Head Clerk's quarters	Ditto	
	60	2nd " "	Ditto	
	61	3rd " "	Ditto	
	62	Munshis' " "	Ditto	
	63	Clerk's " "	Deoban	
	64	Shop	Ditto	
	65	Coolies' Shed	Bhujkoti	On Simla road.
	66	Baniahs shop	Mundali	
	67	Ditto	Thadiar	
	68	Ditto	Bamsú	
	69	Ditto	Deota	
	70	Doctor's quarters	Ditto	

DEHRA DÚN:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

APPENDIX B.

Forest Department, School Circle, North-Western Provinces and Oudh.

Statement showing the rainfall at Dehra Dún, Rajpur, Mussoorie and the several Forest Stations, during 1893-94.

Month.	Dehra Dún.	Rajpur.	Mussoorie.	Dehra Dún Division.							Saháranpur Division.						Jaunsár Division.				
				Dharmawala.	Jhajra.	Asarori	Phandowala.	Lachiwala.	Barkot.	Khurkhari (Hardwár North).	Ranipur.	Dholkhand.	Moland.	Chapri.	Sulousra.	Barkala.	Dakhpathar.	Chakrata.	Deoban.	Mundali.	Sansog.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
July 1893	31·59	50·24	27·77	19·27	27·82	...	21·23	23·42	28·94	18 29	15·67	16 42	25·57	4·76	17·07	12·04	24·84	17·48	16 18	14·07	11·52
August "	23·00	30·21	33·27	10·97	17·92	29·66	17·63	21·68	21·44	15·66	14·66	10 50	21 94	16·09	20·57	19·54	22·39	14·96	7·96	6·32	2 65
September "	13·65	27 54	21·90	17·07	10·94	11·99	5·98	10 06	13·62	10 93	9·72	13·89	16 24	Removed to Badshahi bagh.	14·73	14·76	20·25	16·65	19·58	22·48	11 88
October "	2·97	2·65	4·29	0·89	1·97	3·48	1·40	2·66	4·24	1·80	0·92	3·35	2·86	do.	0·04	0·09	...	2·01	2·03	2·60	...
November "	0·94	...	1·26	1·05	1·51	1·96	0·77	0 77	0·49	...	0 37	0·60	0·68	do.	1·01	0 59	0·90	1·22	1·23	1 57	0·98
December "	...	...	...	0·39	0·46	0·60	...	0 02	0·18	...	...	...	...	do.	...	...	...	...	...	...	...
January 1894	2.93	4·30	5·75	4·78	4·14	2·86	2·98	2·62	2·23	2·44	2·42	3·03	3.48	do.	2·77	3·00	3·96	9·16	8·43	Removed to Tuini.	4·94
February "	5·31	6·24	8·48	6·69	6·16	Not recorded.	4·67	3·53	6·21	5·18	3·59	3·95	5·05	do.	5·30	4·13	4·91	9·99	9·33	do.	7 87
March "	2·03	3·38	2·43	1·05	1·96	do.	1·89	1 89	1·26	3·80	2·10	1·28	1·96	do.	1·35	2·23	1·95	4·12	2·84	do.	2·50
April "	0·01	...	...	0·16	...	do.	0·04	...	...	...	...	...	0·10	...	0·04	0 13	...	0·46	0·53	0·17	0·98
May "	0·17	...	0·47	0·08	0·22	0·30	0·10	0·19	0·03	0·02	...	0·14	0·07	0·15	0·21	0·30	0·23	1·92	1·77	2·24	1 63
June "	19 17	26·67	24·07	18·64	10·41	23·28	16·06	15·53	15·87	6 79	6 75	12·45	11·46	11·25	8·36	10·66	16·11	24·14	22·00	11·84	8·18
Total ...	101·77	151·23	129·69	81·04	83·51	...	72·75	82·37	97·51	64·91	56·20	65·61	89·41	...	71·45	67 47	95·54	102·11	91·88	...	53·13

Regular monsoon may be said to have set in on the 11th June 1894.

Dehra Dún:
The 17th September 1894.

J. S. GAMBLE,
Conservator of Forests, School Circle, N.-W. P. and Oudh.

ORDERS OF GOVERNMENT.

No. $\frac{43F.}{XIV-772A-11}$ OF 1895.

RESOLUTION.

FOREST DEPARTMENT.

Dated Allahabad, the 19th January 1895.

READ—

Annual Progress Reports of the Administration of the Forest Department, North-Western Provinces and Oudh, for the Forest year ending 30th June 1894.

OBSERVATIONS.—The different Conservators despatched their reports to the Press with commendable punctuality between the 17th and 25th of September; but again considerable delay took place in printing them, and they were not received by Government till the 3rd of December, which was too late to admit of their submission to the Government of India on the prescribed date.

Extension and Constitution of State Forests.

2. *Areas.*—The areas of the different classes of forests stood at the commencement and close of the year as follow :—

Circle.	*Reserved Forests.*		*Protected Forests.*		*Unclassed Forests.*	
	1st July 1893.	30th June 1894.	1st July 1893.	30th June 1894.	1st July 1893.	30th June 1894.
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
Central	1,704	1,712	94	94	32	32
Oudh	1,241	1,243	...	...	3	...
School	* 798	† 807	...	...	14	14
Total ...	3,743	3,762	94	94	49	46

Inclusive of 78 square miles of leased forests. | † Inclusive of 85 square miles of leased forests.

There was an actual addition of 13 square miles to reserved areas, of which three square miles were transferred from unclassed forests. Alterations due to corrections of area statements account for a loss of two square miles in State reserves, and add seven square miles to the reserves held under lease. The net gain thus appears as 19 square miles. The Conservator, Central Circle, points out that in reality during the year a very large addition has been made in his Circle to the area of protected forests by the application of Chapter IV of the Forest Act to the unassessed waste lands of the hill tracts of the Kumaun Division. The area is not at present known, but for the next report the Conservator should endeavour to obtain approximate figures. In the Almora

district alone the area is believed to be over 4,000 square miles. The simple measures of protection thereby applied to these extensive Himálayan forests through the agency of the district officers will, it is hoped, arrest the further denudation of the hills, without curtailing the reasonable exercise of the privileges which the villages have immemorially enjoyed in respect of grazing and forest produce. The difficulty lies in the numerical weakness of the revenue and police establishments at the disposal of the Deputy Commissioner of a hill district. These establishments, however, are larger than any staff which the Forest Department could afford to maintain for the protection of these areas, though it may be necessary to give the district officer some trained forest subordinates. Both on this account and also because the areas in question are often intermixed with village lands, the policy of retaining these protected forests under the management of the district officer is obviously sound.

3. *Forest Settlements.*—Satisfactory progress appears to have been made on the lines described in the review of the annual reports for 1892-93. In the Central Circle the settlement of the submontane forests is said to be completed. The protected forests of the Naini Tal and Almora districts are under settlement as reserves. Some catechu-producing tracts are being reserved in Kumaun as suggested by the Government of India.* The question of bringing other Government lands of the Kumaun-Bhábar and the Tarái, which are at present administered by the district authorities, under the Forest Act, either as reserves or as protected forests, is being enquired into by an officer specially deputed for the purpose. During a recent tour in the Kumaun hills Sir Charles Crosthwaite was struck with the denudation of the hill-sides at the higher elevations, brought about by the temporary cultivation of potatoes and the subsequent abandonment of the land as its fertility is exhausted. Steps have been taken to prevent grants of land being made from the district forests by the civil authorities for such temporary purposes, especially in localities where the forest protects the hill-side from erosion.

* Government of India, Revenue and Agricultural Department, letter No. 547F., dated 13th May 1892.

There are practically no areas under settlement in the School Circle, and the 44 square miles shown in Form 47 of the Oudh Circle comprise only village lands which have been received in exchange for disafforested reserved lands, and which are formally being brought under the provisions of the Forest Act.

4. *Demarcation.*—The boundaries of all forests have, it has now been ascertained, been demarcated by pillars, and the entries in column 6 of Form 48 for the School Circle would be misleading if it were not for the Conservator's explanation that the 150 miles returned as undemarcated represent only the length along which pillars have still to be connected by paths or ditches. In the Oudh Circle the work of replacing old marks with suitable monoliths proceeded, and in the School Circle boundary paths or ditches from pillar to pillar were cut along 34 miles. Repairs were attended to in all Circles.

5. The chief survey operations were those conducted by the Imperial Forest Survey Department in Oudh, where 356 square miles are reported to have been surveyed. The question of more definitely marking the boundary of Nepál, where it follows the course of the Mohan river, was raised by the Survey Officers, and referred to the Government of India for the necessary orders. The Conservator of the Oudh Circle brings to notice the delay which takes place in the publication of the maps of areas surveyed, and it seems desirable that this complaint which has in previous years been made by the Conservators of the Central Circle, should be brought to the notice of the officers responsible for the issue of the maps. In the School Circle useful sheets of the maps by ranges were drawn for publication, and large scale maps of outer, as well as of enclosed, plot boundaries were prepared for record in the Jaunsár Division.

Management.

6. *Working-plans.*—In paragraph 25 of last year's review it was said: "The Lieutenant-Governor recognizes the difficulty that will be felt in giving effect to the new detailed working of the forests, systematised by working-plans, unless the necessary additions to the executive staff are promptly sanctioned." During the year under review improvement fellings were not carried out and material not sold in more than one instance because Divisional Officers had not a sufficient staff for the work prescribed by working-plans.

Working-plans were completed for areas aggregating 1,025 square miles, while plans in course of preparation dealt with a further area of 1,600 square miles, and only 764 square miles are now recorded as not being brought under systematic working. The progress thus shown sufficiently marks the attention paid to the working of the forests on lines which are approved by the Inspector-General of Forests, and reflects credit on Conservators. It is, however, obvious that well considered plans can only be partially effective so long as there is insufficient agency to carry out their prescriptions. The non-acceptance by the Military authorities of a working-plan for the forests within the Naini Tal Cantonment is now brought to the notice of Government for the first time. The Conservator of the Central Circle will be asked to submit the plan for consideration, together with a plan for the working of the adjoining municipal forests, the regulation of which has been found necessary in consequence of the heavy demand on them for fuel for the pumping-engine of the Naini Tal waterworks.

7. *Plans of operations.*—The view of the Conservator of Oudh that plans of operations need not be required where working-plans exist, is not endorsed by this Government as at present advised. As a matter of course yearly plans of operations are based on or are identical with the prescriptions of working-plans, but they seem none the less necessary on this account since they show in concise form under proper headings the whole of the works of the year, and in this way facilitate and support the estimates of revenue and expenditure.

8. *Communications and Buildings.*—The outlay on these works of improvement, which call for no special remark, is summarized in the following table :—

Circle.	Roads and bridges.		Buildings.		Other works.	Total.	Percentage on gross expenditure.
	New works.	Repairs.	New works.	Repairs.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Central	7,134	24,370	11,893	5,876	1,737	51,010	16·06
Oudh	3,228	8,563	19,113	4,500	3,335	38,739	11·48
School	9,119	6,146	5,239	7,092	1,871	*29,467	9·74
Total ...	19,481	39,079	36,245	17,468	6,943	1,19,216	12·45
Total, 1893-94 ...	58,560		53,713		6,943	1,19,216	12·45
Total, 1892-93 ...	71,261		48,570		7,656	1,27,487	10·87

* Form No. 61 shows Rs. 29,719, or Rs. 252 more (Rs. 102 + Rs. 150) than is shown in Form No. 51.

9. *Breaches of forest law.*—In the Central Circle there was a marked decrease in the number of cases compounded, due chiefly to the abolition of the system under which *jhampán*-bearers of the hill-station of Naini Tal were admitted to the forests to collect firewood. Taking the three Circles collectively, both the cases taken into Court and the cases compounded show a satisfactory decrease. The following comparative statement brings together the figures of the year :—

Circle.		Cases taken into Court.				Percentage of persons convicted to persons prosecuted.	Cases compounded under section 67.	
		Convictions.		Acquittals.				
		Cases.	Persons.	Cases.	Persons.		Cases.	Persons.
Central ...	1892-93 ...	53	103	9	24	81	662	1,024
	1893-94 ...	40	64	2	15	81	391	683
Oudh ...	1892-93 ...	95	182	10	20	90	93	229
	1893-94 ...	49	87	18	37	70	104	200
School ...	1892-93 ...	8	26	4	9	74	135	362
	1893-94 ...	7	26	...	...	100	127	289
Total ...	1892-93 ...	156	311	23	53	85	890	1,615
	1893-94 ...	96	177	20	52	77	622	1,172

The average compensation taken from persons concerned in offences compounded was Rs. 2-2-0 in the Central Circle, Rs. 5-3-7 in the Oudh Circle, and Rs. 2-11-0 in the School Circle. It was ascertained with reference to the concluding remarks of paragraph 8 of the review of the reports for 1892-93 that no excess compensation had been levied in the School Circle as was supposed from paragraph 44 of the Conservator's report. In the Oudh Circle, however, the Divisional Officer of Gonda

On the whole a comparison of the record of offences with that of previous years, and with the area of the State property protected, bears out the view taken by officers in the Central Circle, that in proportion as forest laws and restrictions become more generally known to the people, and the latter realize that their enforcement is seriously intended, the necessity for prosecutions tends to decrease. It is too soon to expect a hearty acceptance of the principles of forest protection, even when on the most liberal lines, on the part of the people, as their natural inclination is to exploit the forests for their immediate necessities to the extent of destroying them. But it cannot be said that forest administration as pursued in these Provinces has given rise to active discontent amongst the agricultural classes, or that its restrictions and prohibitions are needlessly harsh and oppressive.

10. *Protection from fire.*—The results of fire-protective measures compare with those of 1892-93 as follows :—

Circle.		Total area of Circle.	Area attempted to be protected.	Percentage of area attempted to total area of Circle.	Area actually protected.	Failures.	Percentage of failures.	Cost during the year.	Cost per acre actually protected.
		Acres.	Acres.		Acres.	Acres.		Rs.	Pies.
Central ...	1892-93 ...	1,150,820	*727,647	63·21	719,756	7,891	1 08	20,334	5·42
	1893-94 ...	1,176,793	792,323	67·32	753,570	38,753	4·89	23,851	6·07
Oudh ...	1892-93 ...	794,365	627,725	79 02	593,122	34,603	5 51	22,909	7·41
	1893-94 ...	795,287	611,098	76 84	568,564	42,534	6 96	21,859	7·38
School ...	1892-93 ...	460,796	424,663	92·16	423,659	1,004	0·23	4,783	2·16
	1893-94 ...	462,284	428,281	92·64	408,362	19,919	4 65	7,257	3·41
Total ...	1892-93 ...	2,405,981	1,780,035	73·98	1,736,537	43,498	2 44	48,026	5·31
	1893-94 ...	2,434,364	1,831,702	75·24	1,730,496	101 206	5 52	52,967	5·87

* The figures differ from last year owing to revision of areas in the Central Circle which is explained in a note in our Form No. 53.

The protection of additional areas was attempted in both the Central and School Circles, while in the Oudh Circle again an unexplained reduction of 17,000 acres in the area attempted has taken place. The Conservator, who asserts that the whole area of the Circle under tree forest is now protected from fire with the exception of parts of the Pilibhit Division, should report what areas have been excluded so as to reduce the fire-protected area from 634,669 acres in 1891-92 to 611,098 acres in 1893-94.

The year under review was as unfavourable as the two previous ones had been favourable, and the results show failures over considerable areas in all Circles. The percentages of failures rose from 0·23 to 4·65 in the School Circle, from 1·08 to 4·89 in the Central Circle, and from 5·51 to 6·96 in the Oudh Circle, and the cost was, as a matter of course, higher than in the previous year, except in the Oudh Circle, where the cost of new lines had kept the acreage rate high in 1892-93.

The only conclusion to be drawn from the results which, considering the excessive drought, were not unsatisfactory, is that the measures which suffice in ordinary years will only bring about successful protection in years of exceptional difficulty if the staff is equal to an emergency, and can put forth the necessary additional vigilance and activity. The Lieutenant-Governor is glad to notice that the Conservator of the School Circle, while reporting certain range officers for having failed, is able to commend and reward others for their good work in preventing the spread of fires. In the Oudh Circle the frequent incendiary fires in the Pilibhít Division are noticed with regret. The Conservator considers that action should be taken under the final clause of section 25, Act VII of 1878, and the rights of pasture or to forest produce suspended. Any proposal which the Conservator may have to make in this respect should be submitted separately.

11. *Regulation of grazing and protection from cattle.*—Form No. 54 has been corrected and is now believed to show with fair accuracy the areas open to and closed to grazing. The figures given in the margin show that nearly two-thirds of the total area of the forests is open to horned cattle, and afford grazing to over 664,000 buffaloes, cows and bullocks. The grazing in the Oudh Circle is much heavier than in the other two, there being one animal to every acre of open forest. The extension of cultivation and the growth of population in the vicinity of the Oudh forests has here made the question of determining the number of animals to be grazed one of pressing importance. Up to this year villages within three miles of these forests have been allowed to graze as many cattle as they pleased at very low rates. In connection with the working-plans the number of cattle which each village is in future to be permitted to graze is now being fixed on the basis of the cultivated acreage. The amount of timber and thatching grass which each village may obtain at one-third the market rates is similarly regulated. Sufficient provision will be made for the requirements of the *bonâ fide* agriculturist, while the forests benefit by the limit thus set to the hitherto indefinite demands to which they were exposed.

Circle.	Total forest area.	* Open to cattle.	Buffaloes grazed.	Bullocks and cows grazed.
	Sq. miles.	Sq. miles.		
Central ...	1,839	1,114	50,531	159,623
Oudh ...	1,243	604	57,484	303,843
School ...	821	607	14,017	79,120
Total ...	3,903	2,325	122,032	542,586

* Including 387 square miles closed for part of the year.

Nothing came of the attempt to catch and remove the wild herds of cattle in the Bhinga forests. This is somewhat disappointing, as the Conservator made a great point of obtaining the permission and was hopeful of good results.

12. *Natural reproduction.*—The effect of exceptional rain during the hot weather months of 1893 on the reproduction of *chír (P. longifolia)* reported by the Conservator of the Central Circle is worthy of note.

13. *Artificial reproduction.*—The profits shown on the working of the Ránikhet orchard justify the decision of Government that its maintenance was desirable. With the explanation now given by the Conservator of the School Circle the Lieutenant-Governor has no objection to the continuation of cultural operations to the extent proposed by Mr. Gamble. It is clear, however, from the history of the Johra and Rámgarh planting work that the results, as stated in the review of last year's reports, have not been satisfactory and that money has been wasted.

14. *Exploitation of forest produce.*—With the greater facilities for export afforded by the railways, it is observed with regret that the Oudh forests were in no single division exploited up to the limits laid down in the working-plans. The effect of short working is seen in a decrease of outturn of timber and fuel amounting to 26 lakhs of cubic feet, and in a more or less corresponding fall in revenue. It does not appear that there was any falling off in the demand for forest produce in this Circle. In the interest of the forest revenue, however, it is most desirable that the railway extension contemplated from Gonda to Balrámpur, for which the capital is locally available, should be commenced without delay, and that if possible the line should be continued to the north. And generally there can be little doubt that there is great room for the opening out of the forests by light railways which, even of the smallest gauge and worked only in the dry season of the year, would greatly facilitate the transport of all forest produce and give the less valuable products a market in the large towns of the submontane districts. The construction of light lines from the Oudh and Rohilkhand main system to Kotdwára and Najíbabad, and from the Bengal and North-Western system to Balrámpur and to Katewa Ghát, has on these grounds been strongly advocated by this Government.

The account given by the Conservator of the School Circle of the operations carried on at the Forest School for the distillation of turpentine from pine resin collected in the Jaunsár forests shows that the industry can be made a profitable one. At present it is carried on departmentally under conditions that practically keep it in an experimental stage. There is a market for a much larger quantity of turpentine than the Forest School can supply, and there seems no reason why private enterprise should not undertake the industry. The Conservator of the Central Circle will be asked if the operations which Mr. Gamble has successfully conducted in the School Circle cannot be started also in the Kumaun forests.

15. *Gross yield and outturn of forest produce.*—The following abstracts of Forms Nos. 57, 58 and 59 give the total outturn of the forests, and compare it with that of 1892-93 :—

Total Outturn of the Forests.

	In cubic feet (000's omitted).									
	Class.						*By whom removed.*			
	Total outturn.	Clear or regeneration fellings.	Selection fellings.	Improvement fellings.	Coppice fellings.	Unregulated fellings.	Government agency.	Purchasers.	Free grantees.	Right-holders.
Central Circle.										
Timber	9,62,	24,	4,31,	3,33,	...	1,74,	66,	6,89,	29,	1,78,
Firewood ...	40,56,	25,	8,	6,67,	...	33,56,	2,68,	12,48,	8,	25,32;
	Rs.						Rs.	Rs.	Rs.	Rs.
Minor produce ...	2,61,678	...	...	...	...	...	5,348	2,12,812	20	43,498
Oudh Circle.										
Timber	18,58,	...	57,	4,24,	33,	13,44,	1,50,	6,74,	7,67,	2,67,
Firewood ...	25,15,	...	...	5,05,	10,63,	9,47,	17,97,	4,95,	1,71,	52,
	Rs.						Rs.	Rs.	Rs.	Rs.
Minor produce ...	1,46,178	...	...	...	...	...	7,849	95,501	36,995	5,833
School Circle:										
Timber	9,14,	...	6,91,	1,12,	1,	1,10,	3,31,	4,90,	...	93
Firewood ...	19,45,	...	10,99,	28,	1,09,	7,09,	2,63,	2,74,	4,	14,04,
	Rs.						Rs.	Rs.	Rs.	Rs.
Minor produce ...	73,236	...	...	...	...	...	8,345	56,047	...	8,844
Gross Total.										
Timber	37,34,	24	11,79,	8,69,	34,	16,28,	5,47,	18,53,	7,96,	5,38,
Firewood ...	85,16,	25,	11,07,	12,00,	11,72,	50,12,	23,28,	20,17,	1,83,	39,88,
	Rs.						Rs.	Rs.	Rs.	Rs.
Minor produce ...	4,81,092	...	...	...	...	...	21,542	3,64,360	37,015	58,175
1892-93. (15 months: 1st April 1892 to 30th June 1893.) Timber ...	61,89,	...	15,47,	7,19,	14,	39,08,	7,34,	29,78.	16,45,	8,33,
Firewood ...	1,07,74,	...	15,39,	27,83,	8,71,	55,80,	44,11,	29,13,	12,56,	21,95,
	Rs.						Rs.	Rs.	Rs.	Rs.
Minor produce.	5,32,169	...	...	...	...	...	52,169	4,11,022	25,682	43,296

	Government Agency.				*Purchasers.*				*Free grantees.*				*Right-holders.*			
	Central Circle.	Oudh Circle.	School Circle.	Total.	Central Circle.	Oudh Circle.	School Circle.	Total.	Central Circle.	Oudh Circle.	School Circle.	Total.	Central Circle.	Oudh Circle.	School Circle.	Total.
Timber.	*Cubic feet (000's omitted).*															
1892-93 ... (15 months).	81,	3,58,	2,95,	7,34,	12,26,	10,45,	7,07,	29,78,	12,	16,18,	15,	16,45,	1,85,	6,48,	...	8,33,
1893-94 ...	66,	1,50,	3,31,	5,47,	6,89,	6,74,	4,90,	18,53,	29,	7,67,	...	7,96.	1,78,	2,67,	93,	5,38,
Firewood.																
1892-93 ... (15 months).	2,59,	36,90,	4,61,	44,11.	17,36,	7,02,	4,74,	29,13,	2,	2,73,	9,81,	12,56,	13,98,	1,93,	6,04,	21,95
1893-94 ...	2,68,	17,97,	2,63,	23,28,	12,48,	4,95,	2,74,	20,17,	8,	1,71,	4,	1,83,	25,32,	52,	14,04,	39,88,

Paragraph 71 of the report for the Central Circle shows that compared with the preceding 12 months there was a decrease in the outturn of timber, mainly of inferior kinds, and a large increase in the outturn of fuel and bamboos.

In the Oudh Circle there was the large decrease of 26 lakhs of cubic feet of timber and fuel to which reference has already been made. The partial explanation given by the Conservator that under the prescriptions of the working-plan for the Gorakhpur forests the felling areas have been reduced is scarcely reconcileable with the statement in paragraph 28 of his report, that two improvement felling coupes of 661 and 1,196 acres, which should have been felled over in 1894, were not disposed of. Had these been cut the shortage in Gorakhpur would have been considerably reduced.

The outturn for the School Circle also shows a falling off under timber, fuel and bamboos, consequent on fewer standing trees being sold in Jaunsár, on the adoption of a revised factor for the conversion of stacked fuel to solid cubic feet, and on the bamboo extractors fearing floods from the bursting of the Gohna lake.

16. *Financial.*—The results for the forest year 1st July 1893 to 30th June 1894 were—

		Rs.	Rs.
Receipts	... ...		16,36,725
Expenditure—A (Conservancy and works)	...	5,77,237	9,57,595
Ditto— B (Establishment)	...	3,80,358	
Surplus	...		6,79,130

These compare Circle by Circle with the figures of the previous forest year and with the average of the previous five financial years 1887-88—1891-92 as follows :—

Circle.	*Receipts.*			*Expenditure.*			*Surplus.*		
	Average of five financial years, 1887-88 to 1891-92.	Forest year, 1892-93.	Forest year, 1893-94.	Average of five financial years, 1887-88 to 1891-92.	Forest year 1892-93.	Forest year 1893-94.	Average of five financial years, 1887-88 to 1891-92.	Forest year, 1892-93.	Forest year, 1893-94.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Central ...	5,39,977	5,96,987	5,81,877	2,55,559	2,91,905	3,17,659	2,84,418	3,05,082	2,64,218
Oudh ...	6,25,203	7,50,226	6,76,417	3,73,460	3,75,645	3,37,307	2,51,743	3,74,581	3,39,110
School ...	3,93,567	3,99,055	3,78,431	2,72,099	2,86,027	3,02,629	1,21,468	1,13,028	75,802
Total for the Provinces.	15,58,747	17,46,268	16,36,725	9,01,118	9,53,577	9,57,595	6,57,629	7,92,691	6,79,130

The results, while comparing favourably with the financial years up to 1891-92, show in all Circles a failure to maintain the figures of the previous forest year. They also fall short of those obtained in the financial year immediately preceding it. This seems to be entirely due to a smaller outturn consequent on short fellings, and unless the proper measures are taken to exploit and dispose of the possible yield, the receipts will show even a more marked decrease, when the accumulated stocks in Oudh, which again added Rs. 1,40,000 to the revenues, come to be exhausted.

The net summary of the year's financial transactions would appear to be incorrectly shown in the reports for the Central and Oudh Circles. The correct figures, worked out on the basis of differences of stocks and outstandings compared with the previous year, are given in the margin. The cash surplus in Oudh has, as these figures show, been in a considerable measure obtained from sales of stocks accumulated in previous years. The figures in the margin show the amount of stocks in each Circle at the beginning and end of the year (exclusive of dead stock). In the Central Circle stocks are always very small, as departmental operations are on a very restricted scale. In Oudh departmental operations have now been much curtailed, but there are still a large number of sleepers and a good deal of fuel to be disposed of. In the School Circle the stocks are chiefly deodár sleepers from the leased Tehri forests.

	Central.	Oudh.	School.
	Rs.	Rs.	Rs.
Cash surplus	2,64,218	3,39,110	75,802
Increase or decrease of stocks in hand.	+ 22,718	—1,17,163	+ 36,020
Increase or decrease of debts due.	+ 6,400	+ 20,770	+ 11,726
Total ...	2,93,336	2,42,717	1,23,548

	Central.	Oudh.	School.
	Rs.	Rs.	Rs.
At beginning of year ...	3,738	4,54,418	2,27,251
At close of year ...	10,661	3,14,221	2,59,045
	+ 6,923	—1,40,197	+ 31,794

17. *Administration.*—Mr. Wild, Conservator of Forests, was deputed to these Provinces in November 1893 and held charge of the School Circle during Mr. Gamble's absence on privilege leave for two months. He then took over the Central Circle, which had become vacant on Mr. Hill's promotion to officiate for three months as Inspector-General. With these exceptions the three Circles remained in the charge of Mr. H. C. Hill, Mr. Gamble, and Mr. Eardley-Wilmot throughout the year.

The Conservator of the Central Circle brings to notice the number of ranges in his Circle held by foresters instead of by properly qualified rangers, and presses for early sanction being given to the proposals for an increased subordinate establishment. The Conservator of the School Circle anticipates that "with an improved staff much improvement in work and revenue may be expected." It was hoped that this long-pending matter was in a fair way to final settle-

ment; but the Government of India has now requested the Local Government to re-examine its proposals with reference to the principles of forest conservancy formulated in its Resolution No. 22F., dated the 19th October 1894. This will be done as soon as the Inspector-General of Forests has submitted the suggestions which the Government of India has directed him to make.

The increase to the clerical establishments which likewise has now been long under consideration is much needed in the interest of continued efficiency, and it is hoped that this also may be sanctioned as early as circumstances may permit.

18. *General remarks.*—The reports under review contain a full and interesting record of good progress in the systematic protection and working of the forests during the year. The acknowledgments of the Government are due to the Conservators* for the energy and ability with which they have administered their respective charges. It is observed with satisfaction that, with but few exceptions, the officers and subordinates serving under them have merited commendation during the year.

* Mr. Hill.
" Gamble.
" Eardley-Wilmot.

T. W. HOLDERNESS,

Secy. to Govt., N.-W. P. and Oudh.

No. $\frac{44F.}{XIV-772A-12}$.

ORDERED that a copy of the above Resolution (with copy of Report) be forwarded to the Conservators of Forests, Central, Oudh and School Circles, for information and guidance.

No. $\frac{45F.}{XIV-772A-13}$.

Ordered also that a copy (with copy of Report) be forwarded to the Commissioners of the Meerut, Benares, Gorakhpur, Rohilkhand, Allahabad, Kumaun, Lucknow and Fyzabad Divisions for information.

No. $\frac{46F.}{XIV-772A-14}$.

Ordered also that a copy (with copy of Report) be forwarded to the Comptroller-General, Forest Branch, for information.

No. $\frac{47F.}{XIV-772A-15}$.

Ordered also that a copy (with copy of Report) be forwarded to the Inspector-General of Forests to the Government of India for information.

By order, &c.,

R. GREEVEN,

Under-Secy. to Govt., N.-W. P. and Oudh.

No. 445—184-4F., dated 26th April 1895.

From—DENZIL IBBETSON, Esq., C.S., *Offg. Secretary to the Government of India,*

To—*The Secy. to the Govt. of the North-Western Provinces and Oudh*, FOREST DEPT.

I AM directed to acknowledge the receipt of your letters Nos. 915 F. and 62 of the 6th December and 26th January last, respectively, forwarding, for the information and orders of the Government of India, the Annual Reports on the Administration of the Forest Department in the North-Western Provinces and Oudh for the year ending 30th June 1894, and a copy of His Honour the Lieutenant-Governor's orders upon them.

2. The administration of the Department during the year, which has been very fully dealt with in His Honour's Resolution, was, with few exceptions, devoid of unusual features. The gross area of forests controlled by the Department and recorded in its books was only slightly increased; but the provisions of Chapter IV of the Forest Act were extended to a very large total area, managed by the district staff, in the hill country of the Garhwal, Almora, and Naini Tal Districts. The Government of India observe with satisfaction that it is intended to bring under the Act all forest lands in the Terai at present administered by the Deputy Commissioner, while leaving them under the management of the Revenue authorities. This measure will place proprietary rights on a sound legal basis, and will greatly facilitate management. The interests of the tenantry of the Government estates are to be duly safeguarded; and in dealing with this and cognate questions the officers concerned will no doubt, under the orders of the Local Government, be guided by the general principles enunciated in the Resolution of this Department, No. 22 F., dated 19th October 1894.

3. The information recorded in the reports and in paragraph 11 of the Lieutenant-Governor's orders, on the subject of cattle-grazing, more especially as concerning the Oudh forests, has been perused with interest. The Government of India agree that, at any rate in the Oudh Circle, some limitation of existing concessions is essential; and they feel sure that in restricting privileges which Government itself has allowed to grow up, as much liberality will be shown as is consistent with the preservation of the forest.

4. The average monthly number of forest offences brought before the Courts or compounded by Forest Officers was materially reduced, as compared with the corresponding number in the preceding year. The percentage of convictions obtained in Court cases was, however, reduced from 87 to 83. The decline in the number of offences is ascribed, in the Resolution under consideration, to a more general appreciation of the nature of the forest restrictions, and of the fact that the rules will be enforced. Another and very effectual reason is doubtless indicated in Sir Charles Crosthwaite's assurance, which the Governor General in Council receives with pleasure, that "it cannot be said that forest administration, as pursued in these Provinces, has given rise to active discontent among the agricultural classes, or that its restrictions and prohibitions are needlessly harsh and oppressive."

5. In the exploitation of forest produce there was, as compared with the results obtained in 1892-93, a notable decline in the quantity removed; and the

short outturn correspondingly affected the financial results, which are exhibited in the following statement:—

Year.	Circle.	Receipts.	Charges.	Surplus.	Proportion of Surplus to gross Receipts.
		R	R	R	Per cent.
Forest year (1st July to 30th June).	Central . . .	5,81,877	3,17,659	2,64,218	45
	Oudh . . .	6,76,417	3,37,307	3,39,110	50
	School . . .	3,78,431	3,02,629	75,802	20
	Total in 1893-94 . .	16,36,725	9,57,595	6,79,130	41
	" " 1892-93 . .	17,46,269	9,53,411	7,92,858	45
	Increase or decrease in 1893-94.	—1,09,544	+4,184	—1,13,728	—4
Financial year . .	Central . . .	5,68,896	3,12,982	2,55,914	45
	Oudh . . .	6,81,016	3,52,102	3,28,914	48
	School . . .	4,59,951	2 97,910	1,62,041	35
	Total in 1893-94 .	17,09,863	9,62,994	7,46,869	44
	" " 1892-93 .	16,52 540	9,28,540	7,24,000	44
	Increase in 1893-94 .	57,323	34,454	22,869	...
	Average for the 5 years ending 1892-93.	16,39,779	9,22,728	7,17,051	44

While the expenditure, as compared with that in the previous forest year, remained stationary, the receipts declined in all three circles, with the result that the surplus was reduced by more than one lakh. The Government of India understand that a considerably higher revenue would probably have been realized, had it been possible to entertain a sufficient executive establishment. Proposals for increasing forest establishments in the North-Western Provinces and Oudh, and indeed throughout India, have been for some years under consideration. The Government of India are fully alive to the fact that such increase is urgently needed; and they trust that it may shortly be found possible to ensure that forest revenue in the North-Western Provinces and Oudh shall not again be relinquished for the reasons stated in paragraphs 6 and 16 of Sir Charles Crosthwaite's Resolution.

6. In conclusion, I am to say that the Government of India agree with His Honour the Lieutenant-Governor that the progress made, as exhibited in the Administration Reports, is satisfactory, and they observe with pleasure His Honour's commendation of the three Conservators and of the other officers concerned.

G. I. C. P. O.—No. 1346 R. & A.—1-5-95.—246.—F. C. C.